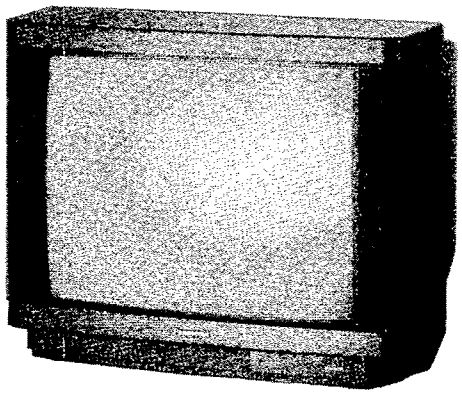
ORDER No. SM 92014

Service Manual



Colour Television

TX-28A2X

TX-25A2X

ALPHA-3 Chassis

Specifications :

Power Source:	240 V AC, 50 Hz
Power Consumption:	160W (TX28A2X) 155W (TX25A2X)
Aerial Impedance:	75 Ω unbalanced, Coaxial Type
Receiving System:	PAL-I
Receiving Channels:	UHF 21-69
Intermediate Frequency:	Video 39.5 MHz Sound 33.5 MHz Colour 35.07 MHz
Video/Audio Terminals:	
AV1	
21 pin IN	Video 1 Vp-p 75 Ω Audio 0.67 Vrms, 10kΩ
21 pin OUT	Video 1 Vp-p 75 Ω Audio 0.67 Vrms (100 % modulation) 1kΩ
AV2	
21 pin IN	Video 1 Vp-p 75 Ω Audio 0.67 Vrms, 10kΩ
21 pin S-Video IN	Y : 1 Vp-p 75 Ω C : 0.3 Vp-p 75 Ω
21 pin OUT Monitor / Tuner	Video 1 Vp-p 75 Ω Audio 0.67 Vrms (100 % modulation) 1kΩ
S-Video (4pin) IN	Y : 1 Vp-p 75 Ω C : 0.3 Vp-p 75 Ω
Audio (RCA x 2) IN	0.67 Vrms, 10kΩ
AV3	
S-Video (4pin) IN	Y : 1 Vp-p 75 Ω C : 0.3 Vp-p 75 Ω
Video (RCA) IN	1Vp-p 75 Ω
Audio (RCA x 2) IN	0.67 Vrms, 10kΩ

High Voltage:	29.0 kV (+0.7 / -1.5)kV at zero beam current
Picture Tube: (TX-28A2X)	A66EAK252X21 28 inches (66cm V) measured diagonally, 110° deflection.
Picture Tube: (TX-25A2X)	A59EAK252X21 25 inches (59cm V) measured diagonally, 110° deflection.
Audio Output:	
Internal Speaker	2 x 10W (Music Power) 8Ω Impedance
External Speaker	2 x 20W (Music Power) 4Ω Impedance
Speakers:	2 way 4 speaker system L/R.
Headphone:	8Ω Impedance
Accessories supplied:	Remote Controller UM4 Battery

		(TX-28A2X)	(TX-25A2X)
Dimensions:	Height:	551 mm	507 mm
	Width:	686 mm	635 mm
	Depth:	500 mm	467 mm
Net Weight:		38kg	32.5kg

Specifications are subject to change without notice.
Weight and dimensions shown are approximate.
NOTE:
For further information please use this manual in conjunction with the TX-28/25A2 Service Manual.

Panasonic

Panasonic (U.K.) Ltd.
WILLOUGHBY ROAD,
BRACKNELL,
BERKS,
RG12 8FT.

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SAFETY PRECAUTIONS

GENERAL GUIDE LINES

1. It is advisable to insert an isolation transformer in the AC supply before servicing a hot chassis.
2. When servicing, observe the original lead dress, especially the lead dress in the high voltage circuits. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
3. After servicing, see that all the protective devices such as insulation barriers, insulation papers, shields and isolation R-C combinations are correctly installed.
4. When the receiver is not being used for a long period of time, unplug the power cord from the AC outlet.
5. Potentials as high as 29.0 kV are present when this receiver is in operation. Operation of the receiver without the rear cover involves the danger of a shock hazard from the receiver power supply. Servicing should not be attempted by anyone who is not familiar with the precautions necessary when working on high voltage equipment. Always discharge the anode of the picture tube to the chassis before handling the tube.
6. After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs of the plug.
2. Turn on the receiver's power switch.
3. Measure the resistance value with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the receiver, such as screw heads, aerials, connectors, control shafts etc. When the exposed metallic part has a return path to the chassis the reading should be between 4M ohm and 20M ohm. When the exposed metal does not have a return path to the chassis the reading must be infinite.

LEAKAGE CURRENT HOT CHECK

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a 2k ohm 10W resistor in series with an exposed metallic part on the receiver and an earth such as a water pipe.
3. Use an AC voltmeter with high impedance to measure the potential across the resistor.
4. Check each exposed Metallic part and check the voltage at each point.
5. Reverse the AC plug at the outlet and repeat each of the above measurements.
6. The potential at any point should not exceed 1.4 Vrms. In case a measurement is outside the limits specified, there is a possibility of a shock hazard, and the receiver should be repaired and rechecked before it is returned to the customer.

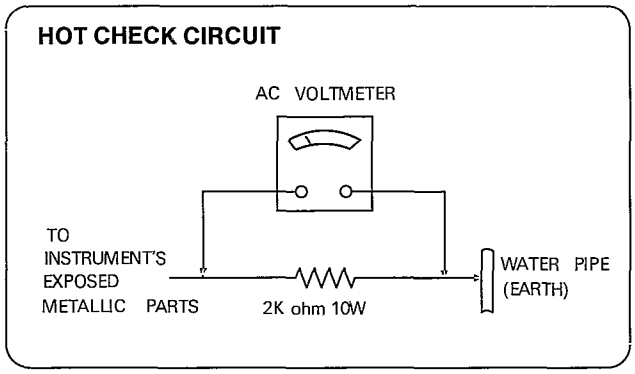


Fig.1

X-RADIATION

WARNING

1. The potential sources of X-Radiation in TV sets are the high voltage section and the picture tube.
2. When using a picture tube test jig for service ensure that the jig is capable of handling 30.0 kV without causing X-Radiation.

NOTE : It is important to use an accurate periodically calibrated high voltage meter.

1. Set the brightness to minimum.
2. Set the service switch to the SERVICE position.
3. Measure the high voltage. The meter should indicate 29.0 kV (+0.7 / - 1.5)kV. If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.
4. To prevent a X-Radiation possibility, it is essential to use the specified tube.

SHUT DOWN CIRCUIT TEST

This test must be made as a final check before the set is returned to the customer.

1. Receive the Philips pattern.
2. Check that the shut down circuit functions when -60V is applied to TPD7, but does not function when -40V is applied.

SCHEMATIC DIAGRAM FOR MODELS
TX - 28A2X / TX - 25A2X
(ALPHA-3 CHASSIS)

IMPORTANT SAFETY NOTICE

Components identified by⚠mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

NOTES:

1. RESISTOR
   All resistors are carbon 1/4W resistor, unless marked as follows:
   Unit of resistance is OHM (Ω) (K =1,000,M =1,000,000).

O	: Nonflammable	⊠	: Metal Oxide
△	: Solid	◎	: Metal Film
⊠	: Wire Wound	⊘	: Fuse

2. CAPACITOR
   All capacitors are ceramic 50V capacitor, unless marked as follows:
   Unit of capacitance is uF, unless otherwise stated.

⊘	: Temperature Compensation	+ -	: Electrolytic
Ⓜ	: Polyester	NP	: Bipolar
ⓜ	: Metallised Polyester	Ⓣ	: Dipped Tantalum
⊠	: Polypropylene	Ⓩ	: Z-Type

3. COIL
   Unit of inductance is uH, unless otherwise stated.

4. TEST POINT

   : Test Point position

5. EARTH SYMBOL

   : Chassis Earth (Cold) : Line Earth (Hot)

6. VOLTAGE MEASUREMENT
   Voltage is measured by a DC voltmeter.
   Measurement conditions are as follows.

Power source	AC 240V, 50Hz
Receiving Signal	Colour Bar signal (RF)
All customer controls	Middle position

7. : Indicates the Video signal path
   : Indicates the Audio signal path
   : Indicates the Vertical/Horizontal signal path

8. This schematic diagram is the latest at the time of printing and is subject to change without notice.

REMARKS

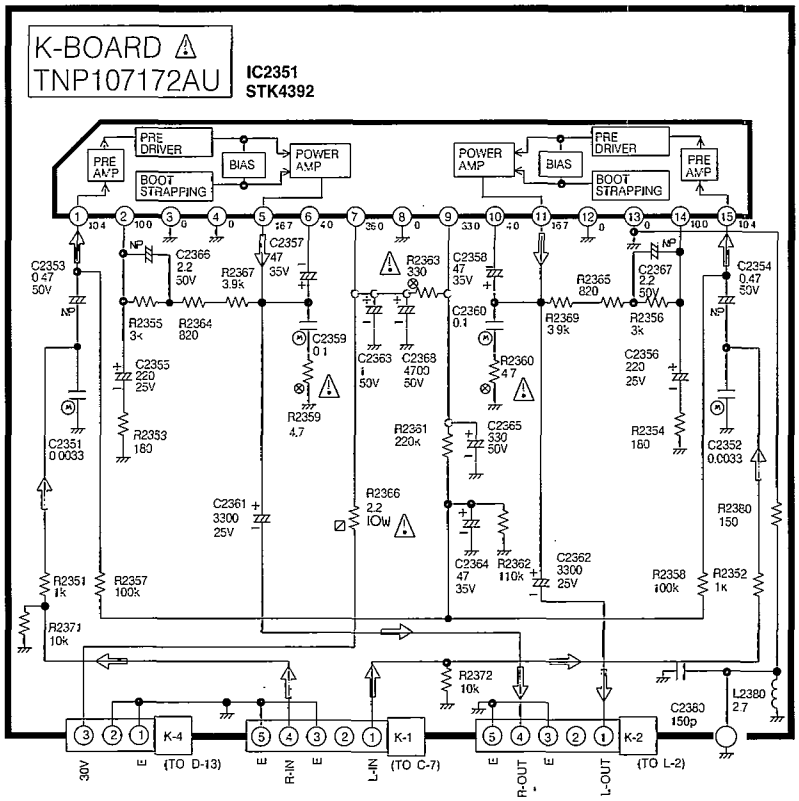
1. The power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection. The circuit is defined by HOT and COLD indications in the schematic diagram. Take the following precautions. All circuits, except the power Circuit , are COLD.

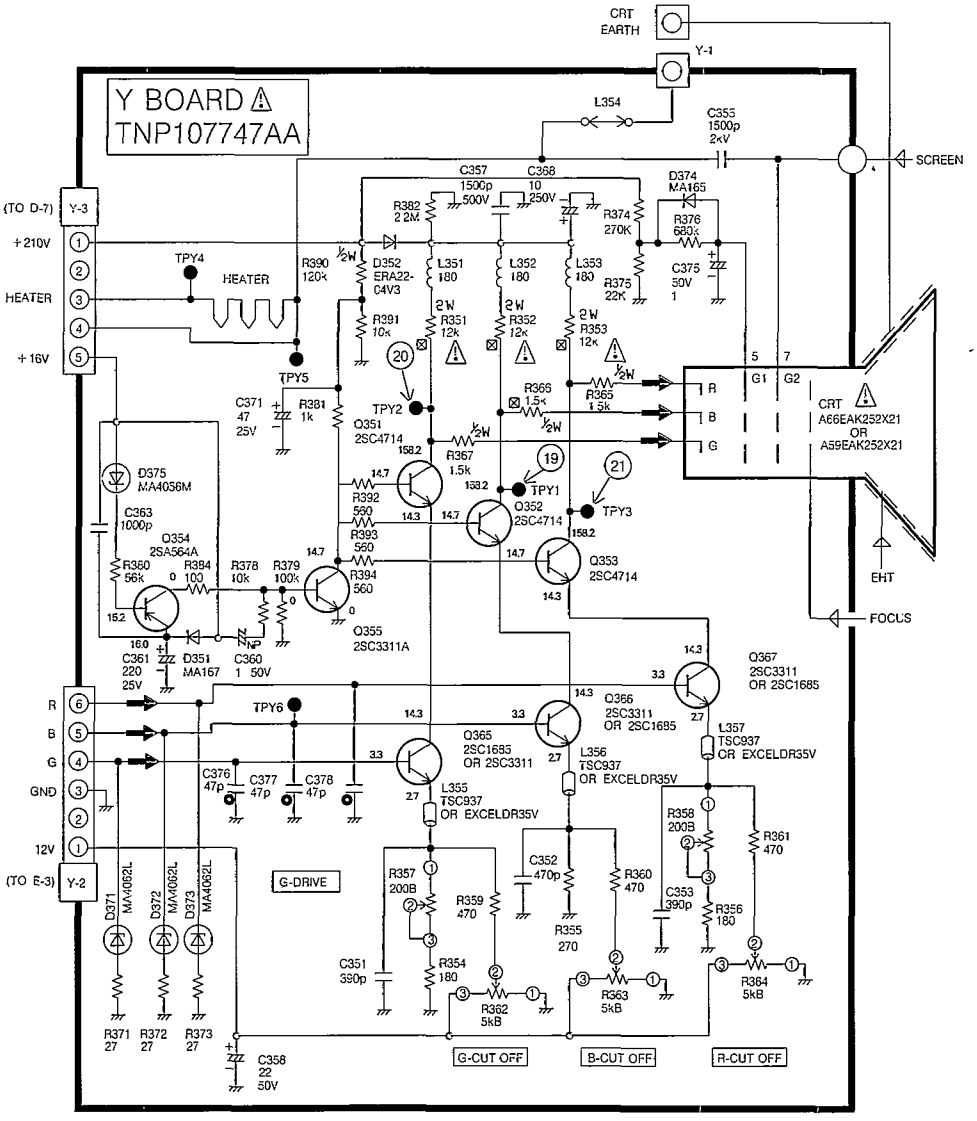
Precautions

a. Do not touch the hot part or the hot and cold parts at the same time as you are liable to a shock hazard.
b. Do not short-circuit the hot and cold circuits as electrical components may be damaged.
c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously, as this may cause fuse failure. Connect the earth of the instruments to the earth connection of the circuit being measured.
d. Make sure to disconnect the power plug before removing the chassis.

2. The following resistors are fusible safety components , and are rated at thefollowing values:

Ref.:	Part number	Current rating
R451	TSF19801	800mA
R555	TSF19102	1A
R1291	TSF19631	630mA


K-BOARD ⚠
TNP107172AU
IC2351
STK4392
PRE AMP
PRE DRIVER
BIAS
POWER AMP
BOOT STRAPPING
K-4
K-1
K-2
(TO D-13)
(TO C-7)
(TO L-2)
30V
R-IN
L-IN
R-OUT
L-OUT


Y BOARD ⚠
TNP107747AA
CRT EARTH
Y-1
SCREEN
(TO D-7)
Y-3
+210V
HEATER
+16V
TPY4
TPY5
TPY2
TPY1
TPY3
TPY6
Q351 2SC4714
Q352 2SC4714
Q353 2SC4714
Q354 2SA564A
Q355 2SC3311A
Q365 2SC1685 OR 2SC3311
Q366 2SC3311 OR 2SC1685
Q367 2SC3311 OR 2SC1685
CRT ⚠ A66EAK252X21 OR A59EAK252X21
G1
G2
EHT
FOCUS
G-DRIVE
G-CUT OFF
B-CUT OFF
R-CUT OFF
GND
12V
(TO E-3)
Y-2

Long scan

Long scan

Long scan

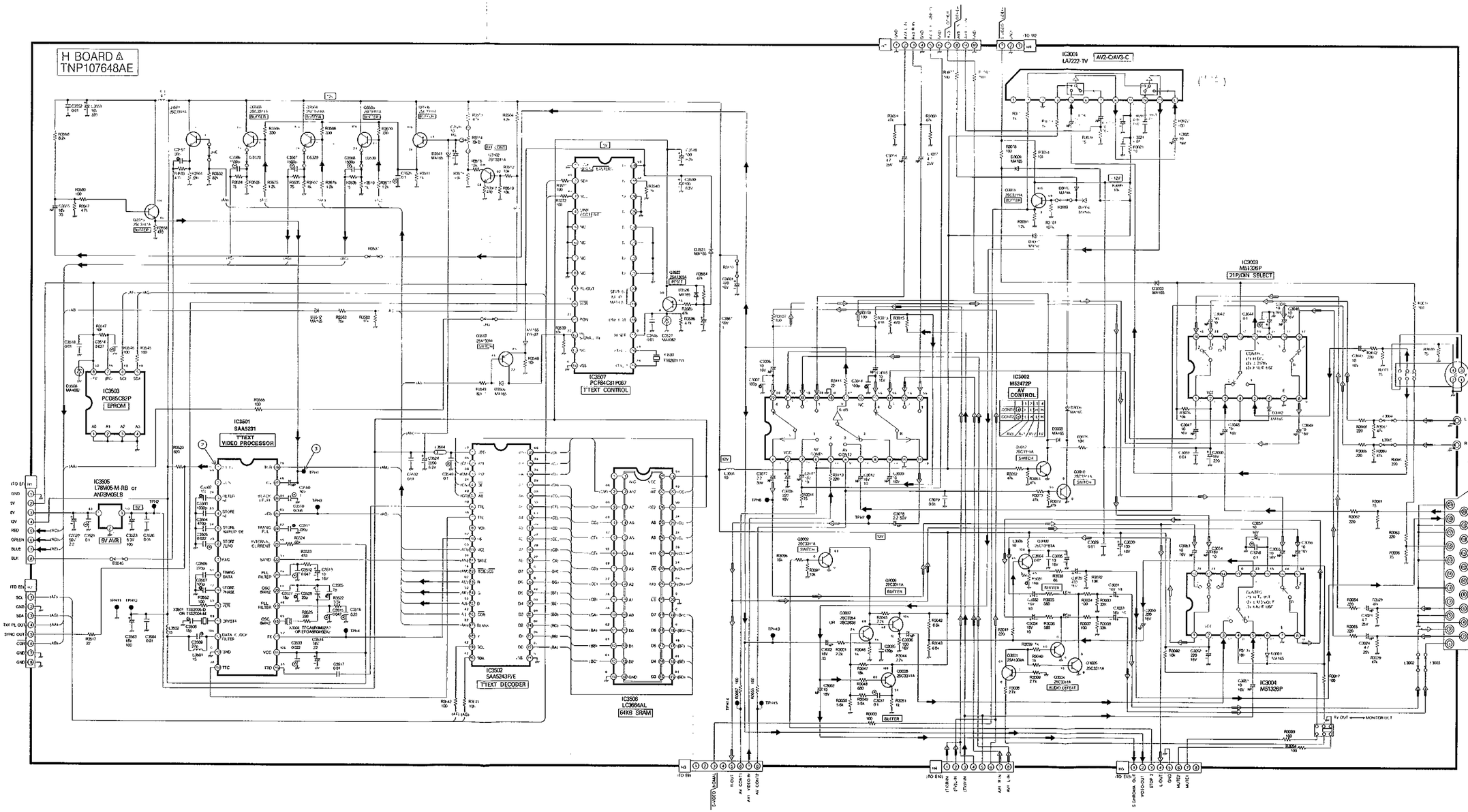
Long scan

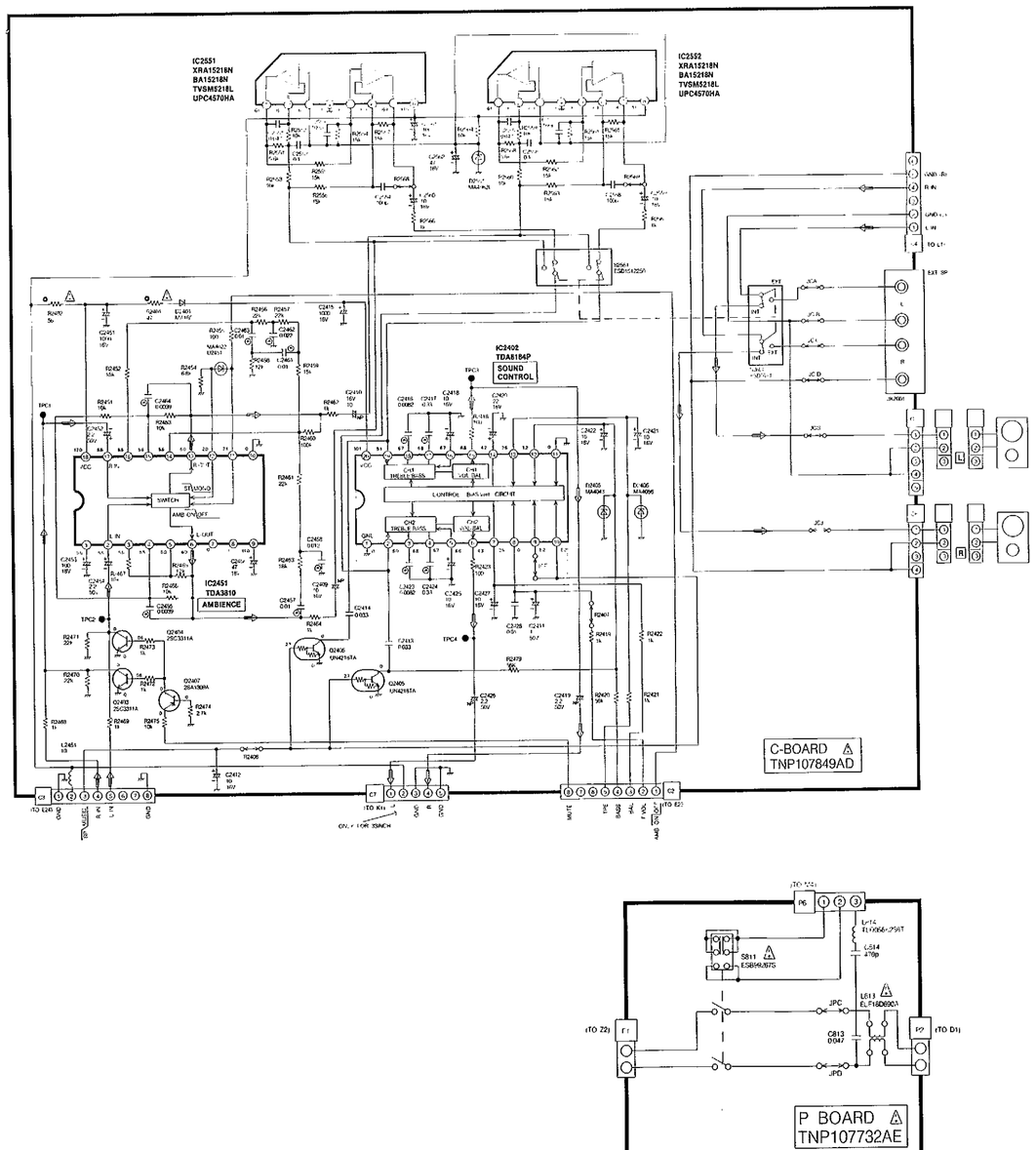
Long scan

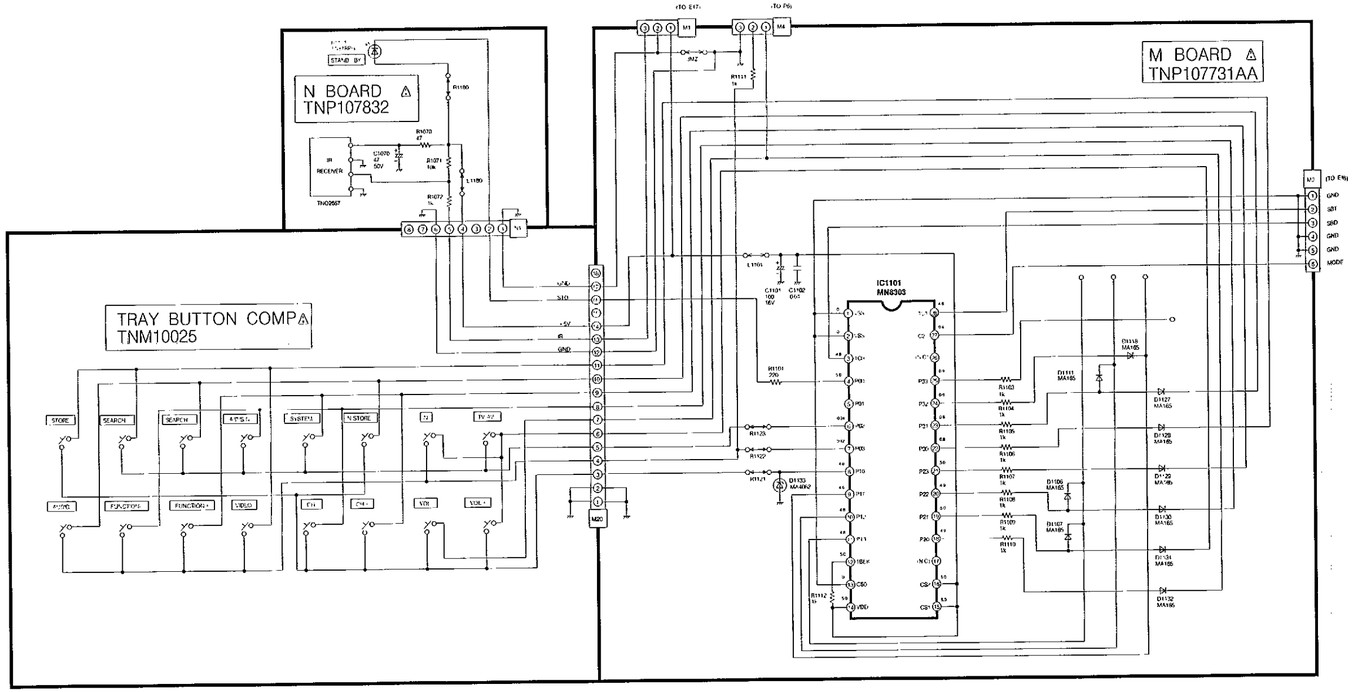
Long scan

Long scan

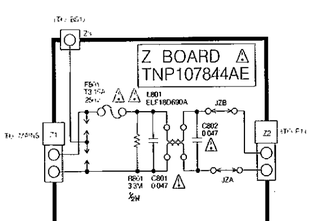
Long scan

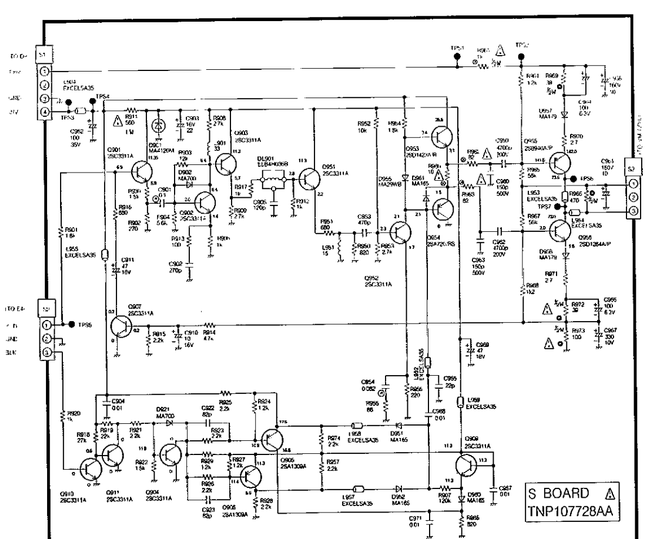

H BOARD △
TNP107648AE
IC3001
LA7222-TV
AV2-C/AV3-C
IC3002
M52472P
AV
CONTROL
IC3003
M61306P
21P/DIN SELECT
IC3004
M51326P
IC3501
SAA5231
TTEXT
VIDEO PROCESSOR
IC3502
SAA5243P/E
TTEXT DECODER
IC3503
PC085C82P
EPROM
IC3506
LC3664AL
64KB SRAM
IC3507
PCF84C21P067
TTEXT CONTROL
IC3505
L78M05-M-RB or
AN78M05LB
8V AVR
5V
12V
8V
(S-TERMINAL)
AV2
AV2 (21P)
TV OUT
MONITOR OUT


IC2551
XRA15218N
BA15218N
TVSM5218L
UPC4570HA
IC2552
XRA15218N
BA15218N
TVSM5218L
UPC4570HA
IC2402
TDA8184P
SOUND CONTROL
IC2451
TDA3810
AMBIENCE
C-BOARD
TNP107849AD

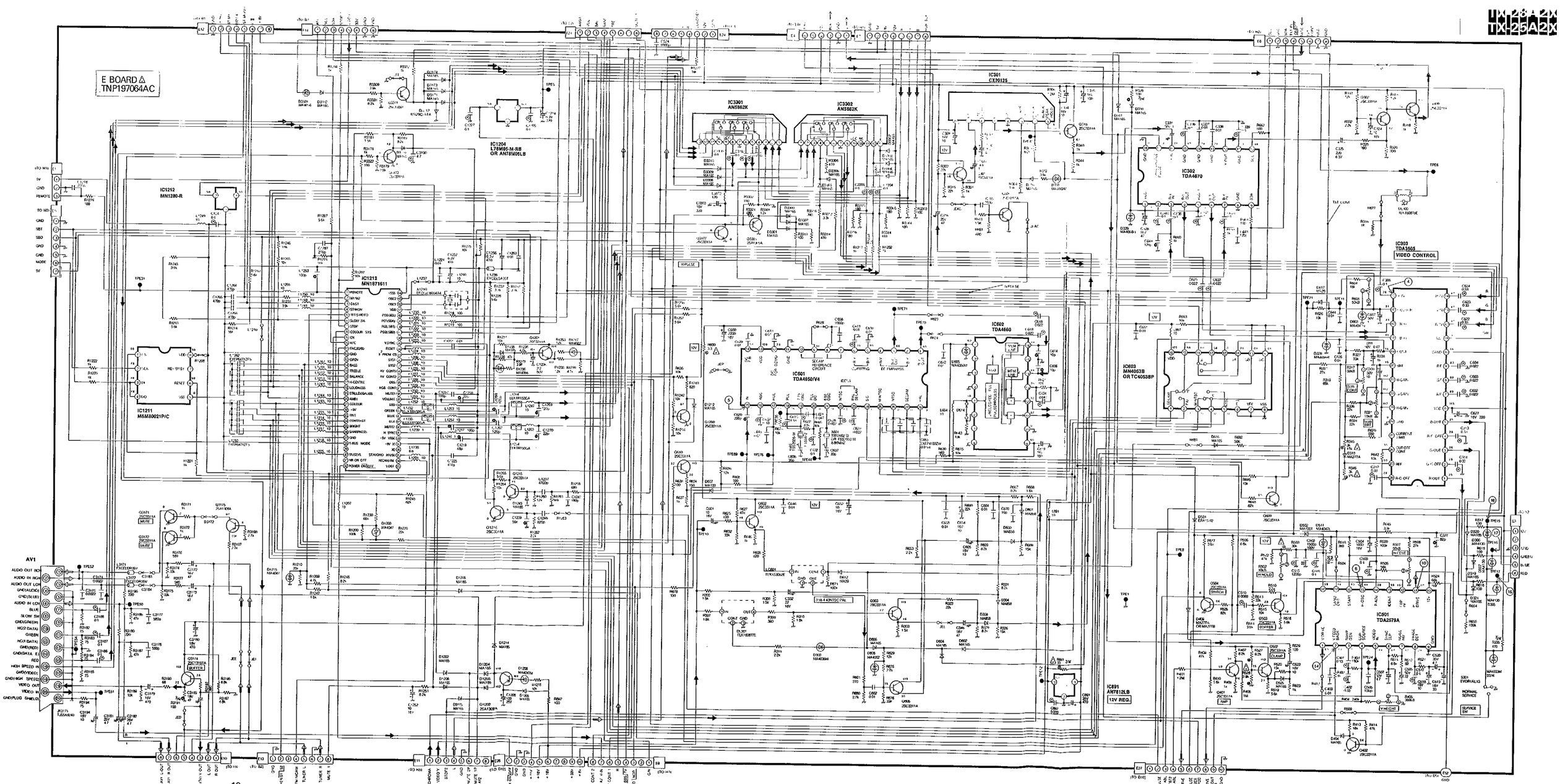

N BOARD
TNP107832
M BOARD
TNP107731AA
TRAY BUTTON COMP
TNM10025
IC1101
MN6303

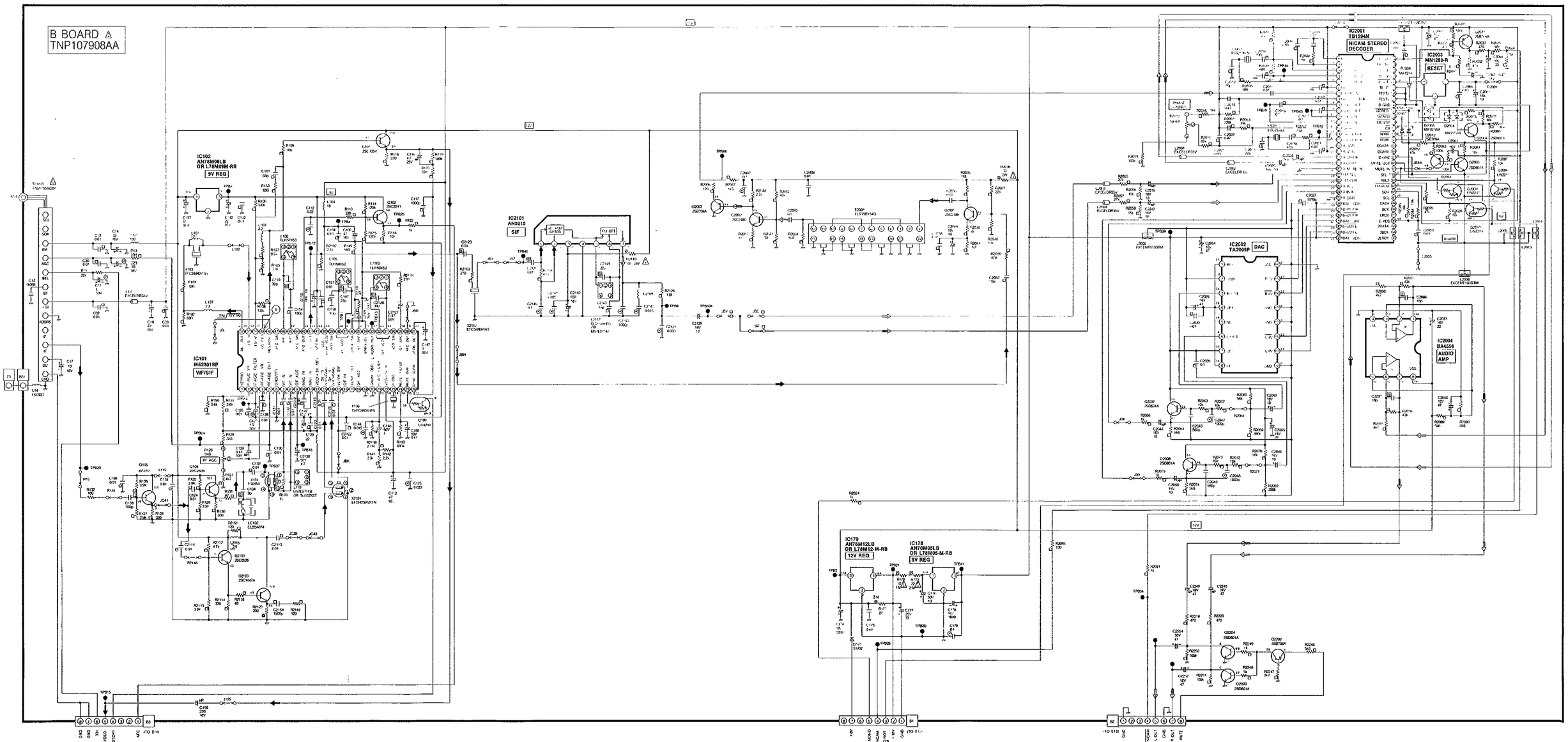
P BOARD
TNP107732AE


Z BOARD
TNP107844AE


S BOARD
TNP107728AA

E BOARD △
TNP197064AC




B BOARD
TNP107908AA
IC102
AN78M09LB
OR L78M09M-RB
9V REG
IC101
M52301SP
VIF/SIF
IC2101
AN5215
SIF
IC2001
TB1204N
NICAM STEREO
DECODER
IC2003
MN1280-R
RESET
IC2002
TA2009P
DAC
IC2004
BA4558
AUDIO
AMP
IC179
AN78M12LB
OR L78M12-M-RB
12V REG
IC178
AN78M05LB
OR L78M05-M-RB
5V REG
RF AGC
VIF AGC
TO E131
TO E134
TO E132
TO E133
16
17
18

D BOARD ⚠
TNP107640AD

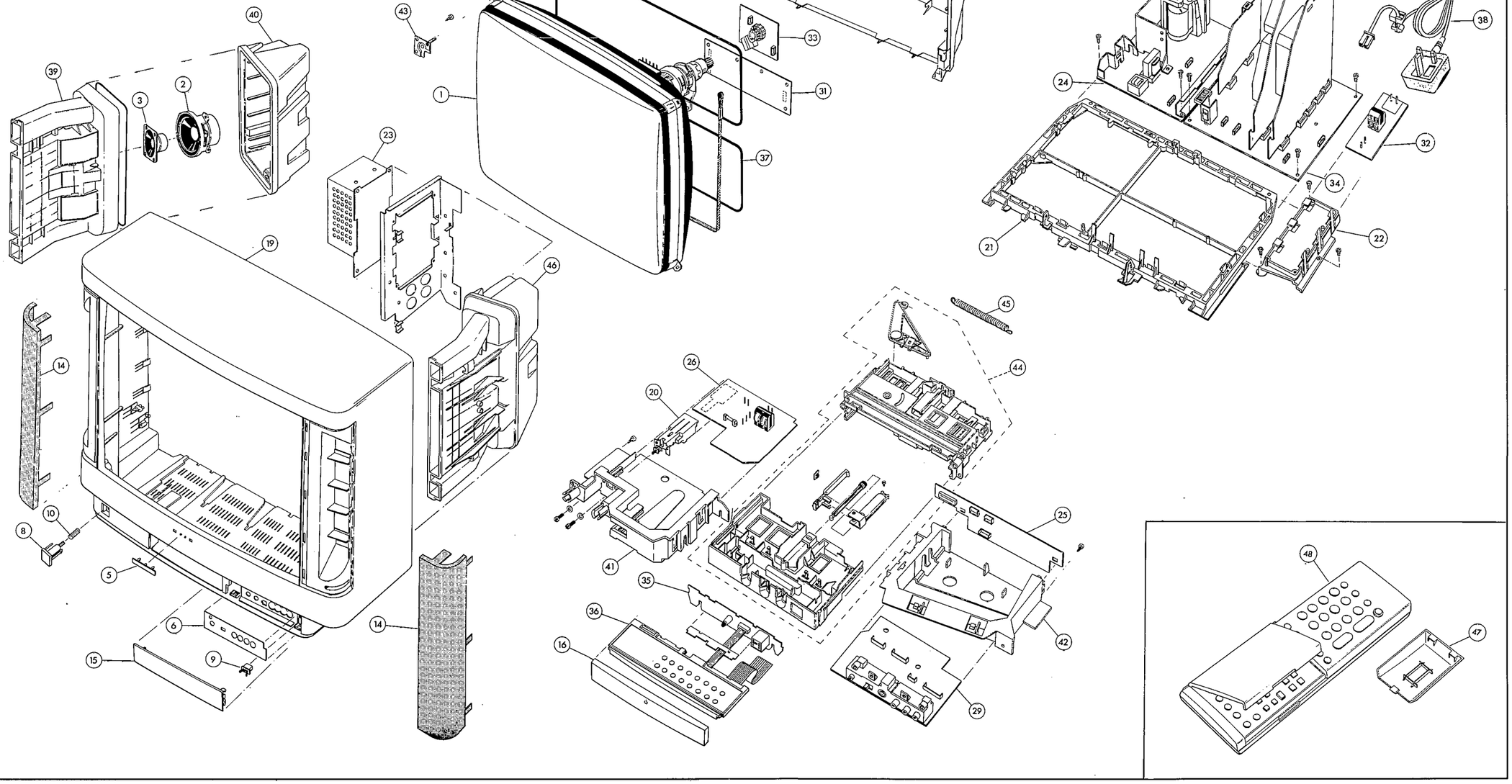
IC451
AN5521
V.OUT

IC701
TDA4950
E/W CORRECTION

IC826
SE140N
ERROR AMP

PARTS LOCATION

Note :
The number on mechanical parts indicates Ref. No of Replacement Parts List.



REPLACEMENT PARTS LIST

Important Safety Notice

Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

MISCELLANEOUS COMPONENTS

Ref No.	Part No.	Description
1)	A66EAK252X21	CRT ⚠
2)	EAS10PL602G	SPEAKER (WOOFER)
3)	EAS7DH08A	SPEAKER (TWEETER)
4)	ENV87839G3Y	TUNER ⚠
5)	TBM153010	PANASONIC BADGE
6)	TBM170365	AV3/COVER LABEL
7)	TBM8E1204	REAR COVER LABEL
8)	TBX2883900	POWER BUTTON
9)	TEK6935	LID SWITCH
10)	TES2268	SPRING (POWER BUTTON)
11)	TJB17675	A V 2 TERMINAL (S-VHS)
12)	TBJ18924-1	EXTERNAL SPK TERMINAL
13)	TJB17675-1	A V 1 TERMINAL (21 PIN)
14)	TKP1382021	SPEAKER NET
15)	TKP1812281	DOOR
16)	TKP1812241	SMOKED PANEL
17)	TKR27800	BACK COVER FIXING BLOCK
18)	TKU320101	REAR COVER ⚠
19)	TKY188101	CABINET ⚠
20)	ESB99267S	ON/OFF SWITCH ⚠
21)	TMX17121	CHASSIS FRAME
22)	TMX17205	Z BOARD FRAME
23)	TNP107172AU	K P.C.B. ⚠
24)	TNP107640AD	D P.C.B. ⚠
25)	TNP107731AA	M P.C.B. ⚠
26)	TNP107732AE	P P.C.B. ⚠
27)	TNP107648AE	H P.C.B. ⚠
28)	TNP107849AD	C P.C.B. ⚠
29)	TNP107733AA	L P.C.B. ⚠
30)	TNP107908AA	B P.C.B. ⚠
31)	TNP107728AA	S P.C.B. ⚠
32)	TNP107844AE	Z P.C.B. ⚠
33)	TNP107747AA	Y P.C.B. ⚠
34)	TNP197064AC	E P.C.B. ⚠
35)	TNP107832	N P.C.B. ⚠
36)	TNM10029	BUTTON PANEL COMPLETE
37)	TXFLK01RTG	DEGAUSSING COIL
38)	TSX8E0010	POWER LEAD
39)	TZS1EL001	SPEAKER BOX (FRONT)
40)	TZS1EL002	SPEAKER BOX (BACK)
41)	TMW17345	P. PRINT FRAME
42)	TMW17547	L. PRINT FRAME
43)	TKZ179228-1	C.R.T. FIXING METAL
44)	TKK170811	TRAY ASSY.
45)	TZS1EL011	SPRING FOR TRAY ASSY
46)	EAB1088A	SPK BOX ASSY
47)	UR51EC882	BATTERY COVER
48)	TNQ8E0435	REMOTE CONTROL
	TNP107848AA	EV P.C.B. ⚠
	TKK188514	BUTTON SPACER(ON/OFF SWITCH)
	TMW17914	BRACKET FOR TRAY
	TNQ2667A	INFRA RED RECEIVER
	TMW27181	TUNER BRACKET (BOTTOM)
	TMW27182	TUNER BRACKET (TOP)
	TPC8E4323	OUTER CARTON
	TPD191574	CUSHION (TOP)
	TPD192569	CUSHION (BOTTOM)
	TQB8E0689	INSTRUCTION BOOK ⚠
	520-001	FUSE HOLDER ⚠
DL300	TLK160878E	COIL
DL301	TLK160877E	COIL
DL901	ELB4H036B	COIL
F801	2133.15	FUSE ⚠
J2651	TJB15662	A V 3/TERMINAL ASSY
	TS2571	TV STAND

DIFFERENCE LIST FOR TX-25A2X MISCELLANEOUS COMPONENTS

1)	A59EAK252X21	CRT ⚠
7)	TBM8E1203	REAR COVER LABEL
14)	TKP1758051	SPEAKER NET
18)	TKU321100	REAR COVER ⚠
19)	TKY188501	CABINET ⚠
	TPC8E4322	OUTER CARTON
	TPD8E536	CUSHION (TOP)
	TPD8E537	CUSHION (BOTTOM)

CAPACITORS

Ref No.	Part No.			
C11	ECEA50Z1	ELECT	50V	1μF
C12	ECQB1H683K	FILM	50V	68nF
C13	ECUV1H103ZFM	S.M. CAP	50V	10nF
C14	ECEA1CU330	ELECT	16V	33μF
C17	ECEA1CU100	ELECT	16V	10μF
C18	ECEA0JKS220	ELECT	6.3V	22μF
C20	ECUV1H103ZFM	S.M. CAP	50V	10nF
C29	ECEA16Z10	ELECT	16V	10μF
C30	ECUV1H103ZFM	S.M. CAP	50V	10nF
C32	ECUV1H103ZFM	S.M. CAP	50V	10nF
C70	ECEA1HU010	ELECT	50V	1μF
C102	ECUV1H103ZFM	S.M. CAP	50V	10nF
C104	ECUV1H103ZFM	S.M. CAP	50V	10nF
C105	ECEA1CU470	ELECT	16V	47μF
C107	ECUV1H220JRM	S.M. CAP	50V	22pF
C110	ECUV1H390JSM	S.M. CAP	50V	39pF
C112	ECQM1H224J	FILM	50V	220nF
C116	ECEA1EN4R7	ELECT	25V	4.7μF
C117	ECUV1H102KBM	S.M. CAP	50V	1nF
C122	ECEA1CU470	ELECT	16V	47μF
C123	ECUV1H103ZFM	S.M. CAP	50V	10nF
C124	ECUV1H103ZFM	S.M. CAP	50V	10nF
C125	ECQB1H333J	FILM	50V	33nF
C126	ECUV1H103ZFM	S.M. CAP	50V	10nF
C127	ECEA50Z1R5	ELECT	50V	1μF
C128	ECUV1H103ZFM	S.M. CAP	50V	10nF
C129	ECEA1HNR47	ELECT	50V	0.47μF
C130	ECUV1H103ZFM	S.M. CAP	50V	10nF
C131	ECUV1H103ZFM	S.M. CAP	50V	10nF
C132	ECUV1H103ZFM	S.M. CAP	50V	10nF
C133	ECUV1H103ZFM	S.M. CAP	50V	10nF
C134	ECUV1H090DCM	S.M. CAP	50V	9pF
C138	ECUV1H101KM	S.M. CAP	50V	100pF
C139	ECUV1H103ZFM	S.M. CAP	50V	10nF
C142	ECEA1CU220	ELECT	16V	22μF
C144	ECQB1H153K	FILM	50V	15nF
C145	ECEA1HN010	ELECT	50V	1μF
C147	ECEA1HU010	ELECT	50V	1μF
C149	ECEA1HUR47	ELECT	50V	0.47μF
C150	ECEA1CU100	ELECT	16V	10μF
C151	ECUV1H103ZFM	S.M. CAP	50V	10nF
C152	ECEA1CU470	ELECT	16V	47μF
C154	ECUV1H151JM	S.M. CAP	50V	150pF
C157	ECEA1HU100	ELECT	50V	10μF
C158	ECUV1H010CCM	S.M. CAP	50V	10pF
C159	ECEA0JU221	ELECT	6.3V	220μF
C160	ECUV1H103ZFM	S.M. CAP	50V	10nF
C161	ECUV1H680JM	S.M. CAP	50V	68pF
C174	ECEA1CU102	ELECT	16V	1000μF
C175	ECKC1H103JB	CERAMIC	50V	10nF
C176	ECEA1HGE100	ELECT	50V	10μF
C177	ECEA1EU330	ELECT	25V	33μF
C178	ECEA1AGE102	ELECT	10V	1000μF
C179	ECQB1H104J	FILM	50V	100nF
C180	ECEA1HUR47	ELECT	50V	0.47μF
C308	ECQM1H104J	FILM	50V	100nF
C309	ECEA1HU100	ELECT	50V	10μF
C311	ECEA1HUR47	ELECT	50V	0.47μF
C312	ECQM1H334J	FILM	50V	330nF
C313	ECQM1H334J	FILM	50V	330nF
C314	ECQM1H334J	FILM	50V	330nF
C316	ECEA1CN470	ELECT	16V	47μF
C324	ECEA1CU100	ELECT	16V	10μF
C325	ECEA0JU221	ELECT	6.3V	220μF
C326	ECEA1HN010	ELECT	50V	1μF
C327	ECCR1H820J	CERAMIC	50V	82pF
C328	ECEA1CU470	ELECT	16V	47μF
C329	ECEA1CU100	ELECT	16V	10μF
C330	ECEA1EU4R7	ELECT	25V	4.7μF
C331	ECEA1HN010	ELECT	50V	1μF

Ref No.	Part No.	Description		
C332	ECEA1CN220	ELECT	16V	22μF
C334	ECEA1CU100	ELECT	16V	10μF
C335	ECEA1CU101	ELECT	16V	100μF
C336	ECQM1H104J	FILM	50V	100nF
C337	ECKC1H103JB	CERAMIC	50V	10nF
C338	ECKC1H103JB	CERAMIC	50V	10nF
C339	ECQM1H104J	FILM	50V	100nF
C340	ECQM1H104J	FILM	50V	100nF
C341	ECQM1H104J	FILM	50V	100nF
C346	ECEA1CN470	ELECT	16V	47μF
C351	ECCR1H391J	CERAMIC	50V	390pF
C352	ECCR1H471J	CERAMIC	50V	470pF
C353	ECCR1H391J	CERAMIC	50V	390pF
C355	ECKC3D152J	CERAMIC	2KV	1.5nF⚠
C357	ECKC2H152J	CERAMIC	500V	1.5nF⚠
C358	ECEA1HU220	ELECT	50V	22μF
C360	ECEA1HN010	ELECT	50V	1μF
C361	ECEA1EU221	ELECT	25V	220μF
C363	ECKC1H102J	CERAMIC	50V	1000pF
C368	ECEA2EU100	ELECT	250V	10μF
C371	ECEA1EGE470	ELECT	25V	47μF
C375	ECEA1HU010	ELECT	50V	1μF
C376	ECCR1H470J	CERAMIC	50V	47pF
C377	ECCR1H470J	CERAMIC	50V	47pF
C378	ECCR1H470J	CERAMIC	50V	47pF
C400	ECKC1H103JB	CERAMIC	50V	10nF
C401	ECQM1H334J	FILM	50V	330nF
C402	ECQM1H334J	FILM	50V	330nF
C451	ECQB1H683K	FILM	50V	68nF
C452	ECKC2H152J	CERAMIC	500V	1.5nF⚠
C453	ECQB1H333J	FILM	50V	33nF
C454	ECEA1EF4R7	ELECT	25V	4.7μF
C455	ECEA1HU101	ELECT	50V	100μF
C456	ECEA1VU222	ELECT	35V	2200μF
C457	ECQM1H394J	FILM	50V	390nF
C458	ECEA1VGE332	ELECT	35V	3300μF
C459	ECQM1H334J	FILM	50V	330nF
C460	ECQM1H224J	FILM	50V	220nF
C461	ECQM1H474J	FILM	50V	470nF
C462	ECQB1H223K	FILM	50V	22nF
C501	ECQM1H104J	FILM	50V	100nF
C502	ECQP1152GZ	FILM	100V	1.5nF
C503	ECQM1H104J	FILM	50V	100nF
C504	ECEA1CU102	ELECT	16V	1000μF
C505	ECKC1H101J	CERAMIC	50V	100pF
C506	ECEA1HU220	ELECT	50V	22μF
C507	ECEA1HU4R7	ELECT	50V	4.7μF
C510	ECQB1H682K	FILM	50V	6.8nF
C515	ECQB1H122J	FILM	50V	1.2nF
C517	ECQM1H104J	FILM	50V	100nF
C518	ECEA1CU100	ELECT	16V	10μF
C519	ECEA1CU330	ELECT	16V	33μF
C520	ECEA1VU4R7	ELECT	35V	4.7μF
C522	ECEA1CN100	ELECT	16V	10μF
C524	ECKC1H102J	CERAMIC	50V	1000pF
C531	ECEA1CU101	ELECT	16V	100μF
C532	ECQM1103KZ	FILM	100V	10nF
C541	ECEA1HU2R2	ELECT	50V	2.2μF
C542	ECEA1JU100	ELECT	63V	10μF
C543	ECEA1CU100	ELECT	16V	10μF
C545	ECEA1HU4R7	ELECT	50V	4.7μF
C551	ECEA2CG010	ELECT	160V	1μF
C552	ECWF2H904J	FILM	500V	900nF⚠
C553	ECQE1224K	FILM	100V	220nF
C554	ECEA2EU100	ELECT	250V	10μF
C555	ECKC2H471J	CERAMIC	500V	470pF⚠
C556	ECKC3F152J	CERAMIC	3KV	1.5nF⚠
C557	ECEA1CU471	ELECT	16V	470μF
C558	ECWH12H822J	CERAMIC	500V	8.2nF⚠
C560	ECWF2H374J	FILM	500V	370nF⚠
C561	ECKC3D182JB	CERAMIC	2KV	1.8nF⚠
C562	ECKC2H471J	CERAMIC	500V	470pF⚠
C565	ECEA1AU222	ELECT	10V	2200μF
C600	ECEA1CU222	ELECT	16V	2200μF
C601	ECEA1CN100	ELECT	16V	10μF
C602	ECQB1H223K	FILM	50V	22nF
C603	ECQB1H223K	FILM	50V	22nF
C604	ECQB1H223K	FILM	50V	22nF
C605	ECEA1CN100	ELECT	16V	10μF
C606	ECCR1H100J	CERAMIC	50V	10pF

Ref No.	Part No.	Description		
C607	ECEA1HU010	ELECT	50V	1μF
C610	ECQB1H103J	FILM	50V	10nF
C611	ECQB1H103J	FILM	50V	10nF
C613	ECKC1H103JB	CERAMIC	50V	10nF
C614	ECCR1H100J	CERAMIC	50V	10pF
C615	ECQM1H334J	FILM	50V	330nF
C618	ECQB1H223K	FILM	50V	22nF
C619	ECQB1H223K	FILM	50V	22nF
C620	ECCR1H221J	CERAMIC	50V	220pF
C621	ECQB1H473K	FILM	50V	47nF
C622	ECQM1H334J	FILM	50V	330nF
C623	ECQM1H334J	FILM	50V	330nF
C624	ECQM1H334J	FILM	50V	330nF
C625	ECQB1H223K	FILM	50V	22nF
C626	ECKC1H103JB	CERAMIC	50V	10nF
C627	ECEA1CU221	ELECT	16V	220μF
C628	ECQB1H223K	FILM	50V	22nF
C629	ECQB1H223K	FILM	50V	22nF
C632	ECQM1H104J	FILM	50V	100nF
C633	ECQB1H223K	FILM	50V	22nF
C634	ECQB1H473K	FILM	50V	47nF
C635	ECRLA030E53R	TRIMMER		30pF
C636	ECQM1H104J	FILM	50V	100nF
C637	ECRLA030E53R	TRIMMER		30pF
C638	ECQM1H334J	FILM	50V	330nF
C639	ECKC1H103JB	CERAMIC	50V	10nF
C640	ECQM1H104J	FILM	50V	100nF
C641	ECCR1H121J	CERAMIC	50V	120pF
C642	ECKC1H103JB	CERAMIC	50V	10nF
C644	ECKC1H103JB	CERAMIC	50V	10nF
C645	ECKC1H103JB	CERAMIC	50V	10nF
C646	ECKC1H103JB	CERAMIC	50V	10nF
C649	ECCR1H121J	CERAMIC	50V	120pF
C651	ECKC1H103JB	CERAMIC	50V	10nF
C652	ECEA1CU100	ELECT	16V	10μF
C653	ECKC1H103JB	CERAMIC	50V	10nF
C654	ECEA1CU100	ELECT	16V	10μF
C655	ECCR1H101J	CERAMIC	50V	100pF
C658	ECKC1H102J	CERAMIC	50V	1000pF
C659	ECEA1CU101	ELECT	16V	100μF
C662	ECKC1H103JB	CERAMIC	50V	10nF
C664	ECKC1H103JB	CERAMIC	50V	10nF
C665	EXFP4103ZW	NETWORK		
C670	ECCR1H100J	CERAMIC	50V	10pF
C681	ECEA1CN220	ELECT	16V	22μF
C683	ECCR1H121J	CERAMIC	50V	120pF
C684	ECEA1HN010	ELECT	50V	1μF
C702	ECEA1HGE101	ELECT	50V	100μF
C703	ECKC1H103JB	CERAMIC	50V	10nF
C704	ECKC1H103JB	CERAMIC	50V	10nF
C705	ECQB1H332K	FILM	50V	3.3nF
C706	ECKC1H103JB	CERAMIC	50V	10nF
C707	ECKC1H103JB	CERAMIC	50V	10nF
C708	ECKC1H103JB	CERAMIC	50V	10nF
C711	ECQB1H562K	FILM	50V	5.6nF
C712	ECQM1H104J	FILM	50V	100nF
C751	ECQM10223JZ	FILM	1KV	22nF
C801	222233040473	FILM	400V	47nF⚠
C802	222233040473	FILM	400V	47nF⚠
C813	222233040473	FILM	400V	47nF⚠
C814	ECKCNS471J	CERAMIC	1.2KV	470pF⚠
C822	ECKC1H103JB	CERAMIC	50V	10nF
C823	ECKC2H472J	CERAMIC	500V	4.7nF⚠
C824	ECKC2H472J	CERAMIC	500V	4.7nF⚠
C825	ECKC2H472J	CERAMIC	500V	4.7nF⚠
C826	ECKC2H472J	CERAMIC	500V	4.7nF⚠
C827	ECOS2GG181N	ELECT	400V	180μF⚠
C829	ECQU2A473MN	FILM	200V	47nF⚠
C830	ECKC2H471J	CERAMIC	500V	470pF⚠
C832	ECKC2H471J	CERAMIC	500V	470pF⚠
C834	ECKCNS332J	CERAMIC	1.2KV	3.3nF⚠
C835	ECQM1H154J	FILM	50V	150nF
C836	ECKC3A821J	CERAMIC	1KV	820pF⚠
C837	ECQE6104K	FILM	600V	100nF⚠
C838	ECEA1HGE220	ELECT	50V	22μF
C839	ECQM1H104J	FILM	50V	100nF
C840	ECKC2H103J	CERAMIC	50V	10nF⚠
C843	ECEA1VGE330	ELECT	35V	33μF
C846	ECEA1EU102	ELECT	25V	1000μF
C851	ECKC3A102J	CERAMIC	1KV	1nF⚠

Ref No.	Part No.	Description		
C852	ECKC2H681J	CERAMIC	500V	680pF⚠
C853	ECKC2H561J	CERAMIC	500V	560pF⚠
C854	ECEA2EG151UE	ELECT	250V	150μF
C855	ECEA1VGE102	ELECT	35V	1000μF
C856	ECEA1HU102	ELECT	50V	1000μF
C857	ECKC2H471J	CERAMIC	500V	470pF⚠
C858	ECEA1EU102	ELECT	25V	1000μF
C861	ECEA1EU100	ELECT	25V	10μF
C862	ECQV1H105JZ	FILM	50V	1μF
C863	ECEA1HU2R2	ELECT	50V	2.2μF
C891	ECEA1EU471	ELECT	25V	470μF
C892	ECQB1H333J	FILM	50V	33nF
C901	ECQM1H104J	FILM	50V	100nF
C902	ECKC1H271J	CERAMIC	50V	270pF
C903	ECEA1CU220	ELECT	16V	22μF
C904	ECKC1H103JB	CERAMIC	50V	10nF
C905	ECCR1H121J	CERAMIC	50V	120pF
C910	ECEA1CU100	ELECT	16V	10μF
C911	ECEA1CU470	ELECT	16V	47μF
C922	ECCR1H820J	CERAMIC	50V	82pF
C923	ECCR1H820J	CERAMIC	50V	82pF
C952	ECEA1VU101	ELECT	35V	100μF
C953	ECKC1H471J	CERAMIC	50V	470pF
C954	ECQB1H823K	FILM	50V	82nF
C955	ECCR1H220J	CERAMIC	50V	22pF
C957	ECKC1H103JB	CERAMIC	50V	10nF
C958	ECEA2CU100	ELECT	160V	10μF
C959	ECKC2H472J	CERAMIC	500V	4.7nF⚠
C960	ECKC2H151J	CERAMIC	500V	150pF⚠
C961	ECEA2CU100	ELECT	160V	10μF
C962	ECKC2H472J	CERAMIC	500V	4.7nF⚠
C963	ECKC2H151J	CERAMIC	500V	150pF⚠
C964	ECEA0JU101	ELECT	6.3V	100μF
C966	ECEA0JU101	ELECT	6.3V	100μF
C967	ECEA1AU331	ELECT	10V	330μF
C968	ECKC1H103JB	CERAMIC	50V	10nF
C969	ECEA1CU470	ELECT	16V	47μF
C971	ECKC1H103JB	CERAMIC	50V	10nF
C1051	ECUV1E104ZFM	S.M. CAP	25V	100nF
C1052	ECUV1H102KBN	S.M. CAP	50V	1nF
C1053	ECUV1E683MBH	S.M. CAP	25V	68nF
C1101	ECEA0JU101	ELECT	6.3V	100μF
C1102	ECKC1H103JB	CERAMIC	50V	10nF
C1205	ECQM1H104J	FILM	50V	100nF
C1207	ECCR1H121J	CERAMIC	50V	120pF
C1208	ECEA1EU101	ELECT	25V	100μF
C1214	ECEA0JU221	ELECT	6.3V	220μF
C1217	ECCR1H181J	CERAMIC	50V	180pF
C1218	ECKC1H271J	CERAMIC	50V	270pF
C1219	ECCR1H680J	CERAMIC	50V	68pF
C1221	ECKC1H103JB	CERAMIC	50V	10nF
C1222	ECEA0JU471	ELECT	6.3V	470μF
C1225	ECKC1H471J	CERAMIC	50V	470pF
C1227	ECQM1H104J	FILM	50V	100nF
C1236	ECEA1HU2R2	ELECT	50V	2.2μF
C1237	ECKC1H472J	CERAMIC	50V	4.7nF
C1239	ECCR1H560J	CERAMIC	50V	56pF
C1246	ECKC1H821J	CERAMIC	50V	820pF
C1247	ECKC1H181J	CERAMIC	50V	180pF
C1249	ECQM1H104J	FILM	50V	100nF
C1250	EXFP6471ZF	NETWORK		
C1251	ECKC1H103JB	CERAMIC	50V	10nF
C1252	ECEA1CU100	ELECT	16V	10μF
C1253	ECCR1H101J	CERAMIC	50V	100pF
C1256	ECEA0JU471	ELECT	6.3V	470μF
C1257	ECKC1H101J	CERAMIC	50V	100pF
C1258	ECCR1H220J	CERAMIC	50V	22pF
C1262	EXFP6471ZF	NETWORK		
C1263	ECKC1H103JB	CERAMIC	50V	10nF
C1264	ECKC1H471J	CERAMIC	50V	470pF
C1265	ECKC1H471J	CERAMIC	50V	470pF
C1266	ECKC1H471J	CERAMIC	50V	470pF
C1268	ECCR1H121J	CERAMIC	50V	120pF
C1269	ECCR1H121J	CERAMIC	50V	120pF
C1270	ECCR1H220J	CERAMIC	50V	22pF
C1287	ECKC1H271J	CERAMIC	50V	270pF
C1291	ECEA1EU102	ELECT	25V	1000μF
C2004	ECEA1CU470	ELECT	16V	47μF
C2007	ECQB1H104J	FILM	50V	100nF
C2008	ECQM1H474J	FILM	50V	470nF

Ref No.	Part No.	Description		
C2009	ECUV1H103ZFM	S.M. CAP	50V	10nF
C2010	ECUV1H101JCM	S.M CAP	50V	100pF
C2011	ECUV1H220JCM	S.M CAP	50V	22pF
C2012	ECUV1H100DCM	S.M. CAP	50V	10pF
C2013	ECUV1H103ZFM	S.M. CAP	50V	10nF
C2014	ECQM1H474J	FILM	50V	470nF
C2015	ECUV1H103ZFM	S.M. CAP	50V	10nF
C2016	ECUV1H104ZFW	S.M. CAP	50V	100nF
C2017	ECUV1H104ZFW	S.M. CAP	50V	100nF
C2018	ECUV1H470JRM	S.M. CAP	50V	47pF
C2019	ECUV1H220JRM	S.M. CAP	50V	22pF
C2021	ECUV1H103ZFM	S.M. CAP	50V	10nF
C2022	ECQM1H474J	FILM	50V	470nF
C2023	ECUV1H103ZFM	S.M. CAP	50V	10nF
C2024	ECEA1CU100	ELECT	16V	10μF
C2025	ECEA1CU100	ELECT	16V	10μF
C2027	ECUV1H102KBM	S.M. CAP	50V	1nF
C2029	ECEA1CU470	ELECT	16V	47μF
C2030	ECUV1H103ZFM	S.M. CAP	50V	10nF
C2033	ECEA1CU220	ELECT	16V	22μF
C2038	ECUV1H103ZFM	S.M. CAP	50V	10nF
C2039	ECUV1H104ZFW	S.M. CAP	50V	100nF
C2040	ECEA1CU100	ELECT	16V	10μF
C2042	ECQB1H102J	FILM	50V	1nF
C2043	ECUV1H561JM	S.M. CAP	16V	56pF
C2044	ECEA1CN100	ELECT	16V	10μF
C2046	ECEA1CU100	ELECT	16V	10μF
C2048	ECQB1H102J	FILM	50V	100nF
C2049	ECCR1H561J	CERAMIC	50V	560pF
C2050	ECEA1CN100	ELECT	16V	10μF
C2052	ECUV1H103ZFM	S.M. CAP	50V	10nF
C2053	ECUV1H103ZFM	S.M. CAP	50V	10nF
C2056	ECUV1H103ZFM	S.M. CAP	50V	10nF
C2057	ECUV1H100DCM	S.M. CAP	50V	10pF
C2058	ECUV1H103ZFM	S.M. CAP	50V	10nF
C2059	ECEA1CU100	ELECT	16V	10μF
C2060	ECQB1H104J	FILM	50V	100nF
C2061	ECEA1CU100	ELECT	16V	10μF
C2062	ECUV1H100DCM	S.M. CAP	50V	10pF
C2063	ECEA1CU470	ELECT	16V	47μF
C2064	ECEA1CU470	ELECT	16V	47μF
C2065	ECEA1CU470	ELECT	16V	47μF
C2067	ECEA1HUR47	ELECT	50V	0.47μF
C2068	ECEA1HU330	ELECT	50V	33μF
C2069	ECEA1HN010	ELECT	50V	1μF
C2085	ECUV1H103ZFM	S.M. CAP	50V	10nF
C2094	ECUV1H180JM	S.M. CAP	50V	18pF
C2097	ECUV1H180JM	S.M. CAP	50V	18pF
C2112	ECUV1H103ZFM	S.M. CAP	50V	10nF
C2113	ECUV1H103ZFM	S.M. CAP	50V	10nF
C2114	ECUV1H103ZFM	S.M. CAP	50V	10nF
C2119	ECUV1H103ZFM	S.M. CAP	50V	10nF
C2120	ECUV1H103ZFM	S.M. CAP	50V	10nF
C2121	ECQB1H333J	FILM	50V	33nF
C2122	ECUV1H103ZFM	S.M. CAP	50V	10nF
C2123	ECUV1H103ZFM	S.M. CAP	50V	10nF
C2125	ECUV1H103ZFM	S.M. CAP	50V	10nF
C2126	ECUV1H390JRM	S.M. CAP	50V	39pF
C2127	ECEA1HUR47	ELECT	50V	0.47μF
C2129	ECEA1CN100	ELECT	16V	10μF
C2138	ECEA1HU4R7	ELECT	50V	4.7μF
C2141	ECQB1H223K	FILM	50V	22nF
C2142	ECEA1CU101	ELECT	16V	100μF
C2143	ECUV1H150JCM	S.M. CAP	50V	15pF
C2145	ECQB1H102J	FILM	50V	1nF
C2146	ECQB1H104J	FILM	50V	100nF
C2147	ECQB1H153K	FILM	50V	15nF
C2149	ECUV1H220JRM	S.M. CAP	50V	22pF
C2154	ECUV1H152KBM	S.M. CAP	50V	1.5nF
C2219	ECEA1CU100	ELECT	16V	10μF
C2242	ECEA1CU100	ELECT	16V	10μF
C2248	ECEA1CU470	ELECT	16V	47μF
C2249	ECEA1CU470	ELECT	16V	47μF
C2252	ECEA1CN470	ELECT	16V	47μF
C2254	ECEA1CN470	ELECT	16V	47μF
C2351	ECQB1H332K	FILM	50V	3.3nF
C2352	ECQB1H332K	FILM	50V	3.3nF
C2353	ECEA1HGNR47	ELECT	50V	0.47μF
C2354	ECEA1HGNR47	ELECT	50V	0.47μF
C2355	ECEA1EGE221	ELECT	25V	220μF

Ref No.	Part No.	Description		
C2356	ECEA1EGE221	ELECT	25V	220μF
C2357	ECEA1VGE470	ELECT	35V	47μF
C2358	ECEA1VGE470	ELECT	35V	47μF
C2359	ECQM1H104J	FILM	50V	100nF
C2360	ECQM1H104J	FILM	50V	100nF
C2361	ECEA1EGE332	ELECT	25V	3300μF
C2362	ECEA1EGE332	ELECT	25V	3300μF
C2363	ECEA1HGE010	ELECT	50V	1μF
C2364	ECEA1VGE470	ELECT	35V	47μF
C2365	ECEA1HGE331	ELECT	50V	330μF
C2366	ECEA1HN2R2	ELECT	50V	2.2μF
C2367	ECEA1HN2R2	ELECT	50V	2.2μF
C2368	ECEA1HU472	ELECT	50V	4700μF
C2380	ECKC1H151J	CERAMIC	50V	150pF
C2409	ECEA1CN100	ELECT	16V	10μF
C2410	ECEA1CN100	ELECT	16V	10μF
C2411	ECEA1HU010	ELECT	50V	1μF
C2412	ECEA1CU100	ELECT	16V	10μF
C2413	ECQB1H333J	FILM	50V	33nF
C2414	ECQB1H333J	FILM	50V	33nF
C2415	ECEA1CU102	ELECT	16V	1000μF
C2416	ECQB1H822K	FILM	50V	8.2nF
C2417	ECQM1H334J	FILM	50V	330nF
C2418	ECEA1CU100	ELECT	16V	10μF
C2419	ECEA1HN2R2	ELECT	50V	2.2μF
C2420	ECEA1CU220	ELECT	16V	22μF
C2421	ECEA1CU100	ELECT	16V	10μF
C2422	ECEA1CU100	ELECT	16V	10μF
C2423	ECQB1H822K	FILM	50V	8.2nF
C2424	ECQM1H334J	FILM	50V	330nF
C2425	ECEA1CU100	ELECT	16V	10μF
C2426	ECEA1HN2R2	ELECT	50V	2.2μF
C2427	ECEA1CU100	ELECT	16V	10μF
C2428	ECKC1H103JB	CERAMIC	50V	10nF
C2451	ECEA1CU102	ELECT	16V	1000μF
C2452	ECEA1HU2R2	ELECT	50V	2.2μF
C2453	ECEA1CU101	ELECT	16V	100μF
C2454	ECEA1HU2R2	ELECT	50V	2.2μF
C2455	ECQB1H392J	FILM	50V	3.9nF
C2456	ECEA1CU470	ELECT	16V	47μF
C2457	ECQB1H103J	FILM	50V	10nF
C2458	ECQB1H123J	FILM	50V	120nF
C2461	ECQB1H103J	FILM	50V	10nF
C2462	ECQB1H223K	FILM	50V	22nF
C2463	ECQB1H103J	FILM	50V	10nF
C2464	ECQB1H392J	FILM	50V	3.9nF
C2551	ECQB1H473K	FILM	50V	47nF
C2552	ECQM1H104J	FILM	50V	100nF
C2553	ECCR1H101J	CERAMIC	50V	100pF
C2554	ECCR1H101J	CERAMIC	50V	100pF
C2555	ECQB1H473K	FILM	50V	47nF
C2556	ECQM1H104J	FILM	50V	100nF
C2557	ECCR1H101J	CERAMIC	50V	100pF
C2558	ECCR1H101J	CERAMIC	50V	100pF
C2559	ECEA1CKA100	ELECT	16V	10μF
C2560	ECEA1CKA100	ELECT	16V	10μF
C2561	ECEA1CKA101	ELECT	16V	100μF
C2562	ECEA1CKA470	ELECT	16V	47μF
C3001	ECEA1CU471	ELECT	16V	470μF
C3002	ECEA1CN330	ELECT	16V	33μF
C3003	ECEA1CN100	ELECT	16V	10μF
C3004	ECKC1H103JB	CERAMIC	50V	10nF
C3005	ECEA1CU100	ELECT	16V	10μF
C3006	ECEA1CN100	ELECT	16V	10μF
C3007	ECCR1H101J	CERAMIC	50V	100pF
C3008	ECEA1CU221	ELECT	16V	220μF
C3009	ECEA1CN100	ELECT	16V	10μF
C3011	ECEA1CN100	ELECT	16V	10μF
C3012	ECEA1CN100	ELECT	16V	10μF
C3014	ECCR1H101J	CERAMIC	50V	100pF
C3015	ECEA1CN100	ELECT	16V	10μF
C3016	ECEA1EN4R7	ELECT	25V	4.7μF
C3017	ECEA1EN4R7	ELECT	25V	4.7μF
C3018	ECEA1CN100	ELECT	16V	10μF
C3019	ECEA1CN100	ELECT	16V	10μF
C3020	ECEA1CU471	ELECT	16V	470μF
C3021	ECKC1H103JB	CERAMIC	50V	10nF
C3022	ECEA1CN100	ELECT	16V	10μF
C3023	ECEA1EN4R7	ELECT	25V	4.7μF
C3024	ECEA1EN4R7	ELECT	25V	4.7μF

Ref No.	Part No.	Description		
C3029	ECKC1H103JB	CERAMIC	50V	10nF
C3030	ECEA1CU101	ELECT	16V	100μF
C3031	ECEA1CU100	ELECT	16V	10μF
C3032	ECEA1CU100	ELECT	16V	10μF
C3033	ECEA1CU100	ELECT	16V	10μF
C3034	ECEA1CU100	ELECT	16V	10μF
C3035	ECKC1H121J	CERAMIC	50V	120pF
C3036	ECEA1CN101	ELECT	16V	100μF
C3037	ECQM1H104J	FILM	50V	100nF
C3039	ECEA1CU471	ELECT	16V	470μF
C3042	ECEA1CN100	ELECT	16V	10μF
C3043	ECEA1CN100	ELECT	16V	10μF
C3044	ECQM1H104J	FILM	50V	100nF
C3045	ECEA1CU100	ELECT	16V	10μF
C3046	ECEA1CN100	ELECT	16V	10μF
C3047	ECEA1CN100	ELECT	16V	10μF
C3048	ECEA1CN100	ELECT	16V	10μF
C3049	ECEA1CN100	ELECT	16V	10μF
C3050	ECEA1CN221	ELECT	16V	220μF
C3051	ECEA1CN100	ELECT	16V	10μF
C3052	ECEA1CU221	ELECT	16V	220μF
C3053	ECEA1CN100	ELECT	16V	10μF
C3054	ECEA1CN100	ELECT	16V	10μF
C3055	ECEA1CN100	ELECT	16V	10μF
C3056	ECEA1CN100	ELECT	16V	10μF
C3057	ECEA1CU100	ELECT	16V	10μF
C3058	ECQM1H104J	FILM	50V	100nF
C3059	ECKC1H103JB	CERAMIC	50V	10nF
C3060	ECEA1CU221	ELECT	16V	220μF
C3061	ECKC1H103JB	CERAMIC	50V	10nF
C3077	ECEA1HN2R2	ELECT	50V	2.2μF
C3078	ECEA1HN2R2	ELECT	50V	2.2μF
C3079	ECKC1H103JB	CERAMIC	50V	10nF
C3080	ECCR1H680J	CERAMIC	50V	68pF
C3172	ECEA1CU470	ELECT	16V	47μF
C3173	ECEA1CU470	ELECT	16V	47μF
C3174	ECKC1H222J	CERAMIC	50V	2.2nF
C3175	ECKC1H222J	CERAMIC	50V	2.2nF
C3176	ECKC1H561J	CERAMIC	50V	560pF
C3177	ECKC1H561J	CERAMIC	50V	560pF
C3179	ECEA1CU471	ELECT	16V	470μF
C3180	ECEA1CU471	ELECT	16V	470μF
C3181	ECEA1EN4R7	ELECT	25V	4.7μF
C3182	ECEA1EN4R7	ELECT	25V	4.7μF
C3185	ECEA1CN470	ELECT	16V	47μF
C3186	ECQM1H104J	FILM	50V	100nF
C3187	ECQM1H104J	FILM	50V	100nF
C3188	ECQM1H104J	FILM	50V	100nF
C3190	ECEA1EN4R7	ELECT	25V	4.7μF
C3191	ECQM1H104J	FILM	50V	100nF
C3192	ECQM1H104J	FILM	50V	100nF
C3193	ECQM1H104J	FILM	50V	100nF
C3194	ECEA1CN100	ELECT	16V	10μF
C3303	ECEA1CU331	ELECT	16V	330μF
C3304	ECQM1H104J	FILM	50V	100nF
C3305	ECQM1H104J	FILM	50V	100nF
C3306	ECQM1H104J	FILM	50V	100nF
C3502	ECCR1H150J	CERAMIC	50V	15pF
C3503	ECKC1H102J	CERAMIC	50V	1000pF
C3504	ECKC1H471J	CERAMIC	50V	470pF
C3505	ECQB1H223K	FILM	50V	22nF
C3506	ECKC1H271J	CERAMIC	50V	270pF
C3507	ECCR1H101J	CERAMIC	50V	100pF
C3508	ECCR1H150J	CERAMIC	50V	15pF
C3509	ECCR1H270J	CERAMIC	50V	27pF
C3510	ECQB1H683K	FILM	50V	68nF
C3511	ECCR1H221J	CERAMIC	50V	220pF
C3512	ECQB1H473K	FILM	50V	47nF
C3513	ECEA1CU100	ELECT	16V	10μF
C3514	ECQB1H272J	FILM	50V	2.7nF
C3515	ECQB1H473K	FILM	50V	47nF
C3516	ECQM1H224J	FILM	50V	220nF
C3517	ECKC1H103JB	CERAMIC	50V	10nF
C3518	ECQM1H104J	FILM	50V	100nF
C3521	ECQM1H104J	FILM	50V	100nF
C3522	ECEA1HU2R2	ELECT	50V	2.2μF
C3523	ECEA0JU101	ELECT	6.3V	100μF
C3524	ECEA0JU222	ELECT	6.3V	2200μF
C3525	ECQM1H104J	FILM	50V	100nF
C3526	ECEA1CU100	ELECT	16V	10μF

Ref No.	Part No.	Description		
C3527	ECCR1H180J	CERAMIC	50V	18pF
C3528	ECRLA020E53R	TRIMMER		20pF
C3530	ECEA0JU101	ELECT	6.3V	100µF
C3532	ECKC1H103JB	CERAMIC	50V	10nF
C3533	ECQB1H223K	FILM	50V	22nF
C3534	ECEA1CU220	ELECT	16V	22µF
C3536	ECKC1H103JB	CERAMIC	50V	10nF
C3540	ECQM1H104J	FILM	50V	100nF
C3546	ECKC1H103JB	CERAMIC	50V	10nF
C3548	ECEA0JU101	ELECT	6.3V	100µF
C3550	ECEA1HN010	ELECT	50V	1µF
C3552	ECKC1H103JB	CERAMIC	50V	10nF
C3553	ECEA1CU221	ELECT	16V	220µF
C3555	ECEA1CN330	ELECT	16V	33µF
C3557	ECCR1H330J	CERAMIC	50V	33pF
C3561	ECEA1HU010	ELECT	50V	1µF
C3563	ECEA1CU101	ELECT	16V	100µF
C3564	ECKC1H103JB	CERAMIC	50V	10nF
C3565	ECCR1H070J	CERAMIC	50V	7pF
C3566	ECQB1H152K	FILM	50V	1.5nF
C3567	ECQB1H152K	FILM	50V	1.5nF
C3568	ECQB1H152K	FILM	50V	1.5nF

DIODES

D171	EU02	DIODE
D300	MA4036	DIODE
D304	MA858TA5	DIODE
D305	MA4130	DIODE
D306	MA4130	DIODE
D307	MA4130	DIODE
D309	MA858TA5	DIODE
D310	MA165TA5	DIODE
D311	MA165TA5	DIODE
D313	MA27TA5	DIODE
D314	MA4033	DIODE
D316	MA165TA5	DIODE
D319	MA165TA5	DIODE
D320	MA165TA5	DIODE
D321	MA165TA5	DIODE
D328	MA4056	DIODE
D329	MA4068HTA	DIODE
D331	MA4062	DIODE
D351	MA167TA5	DIODE
D352	ERA22-04V3	DIODE
D371	MA4062	DIODE
D372	MA4062	DIODE
D373	MA4062	DIODE
D374	MA165TA5	DIODE
D375	MA4056	DIODE
D404	MA165TA5	DIODE
D409	MA27TA5	DIODE
D451	ERA15-02V3	DIODE
D452	MA165TA5	DIODE
D453	MA165TA5	DIODE
D501	ERA15-02V3	DIODE
D502	MA700TA5	DIODE
D505	MA165TA5	DIODE
D511	MA4047	DIODE
D531	MA165TA5	DIODE
D532	MA4051	DIODE
D541	MA4360	DIODE
D546	MA4033	DIODE
D548	MA4075	DIODE
D551	ERA22-02V3	DIODE
D552	MA167TA5	DIODE
D553	ERA22-02V3	DIODE
D600	MA858TA5	DIODE
D601	MA858TA5	DIODE
D602	MA165TA5	DIODE
D603	MA4047	DIODE
D604	MA165TA5	DIODE
D605	MA4056	DIODE
D606	MA165TA5	DIODE
D607	MA700TA5	DIODE
D608	MA4062	DIODE
D612	MA29TA5	DIODE
D616	MA165TA5	DIODE
D617	MA29TA5	DIODE
D701	MA165TA5	DIODE

Ref No.	Part No.	Description
D702	MA4360	DIODE
D751	ERB0615	DIODE
D752	TVSRU2AM	DIODE
D825	RBV4-08	DIODE
D826	ERA22-04V3	DIODE
D827	ERA22-08V3	DIODE
D828	ERZC10DK621	DIODE
D829	232266296009	DIODE
D830	MA170	DIODE
D831	ERA22-02V3	DIODE
D834	TLP621GR-LF2	PHOTO COUPLER ⚠
D835	MA170	DIODE
D837	MA165TA5	DIODE
D842	MA4100	DIODE
D846	MA165TA5	DIODE
D851	RU4BLF-L1	DIODE
D852	TVSRU2AM	DIODE
D853	RU4AMLF-M1	DIODE
D854	TVSSR2KL	DIODE
D855	MA649RL	DIODE
D857	MA4120	DIODE
D858	MA165TA5	DIODE
D859	MA165TA5	DIODE
D860	EU02	DIODE
D861	MA150TA	DIODE
D901	MA4120	DIODE
D902	MA700TA5	DIODE
D921	MA700TA5	DIODE
D951	MA165TA5	DIODE
D952	MA165TA5	DIODE
D955	MA29TA5	DIODE
D957	MA179TA	DIODE
D958	MA179TA	DIODE
D960	MA165TA5	DIODE
D961	MA165TA5	DIODE
D1106	MA165TA5	DIODE
D1107	MA165TA5	DIODE
D1111	MA165TA5	DIODE
D1118	MA165TA5	DIODE
D1127	MA165TA5	DIODE
D1128	MA165TA5	DIODE
D1129	MA165TA5	DIODE
D1130	MA165TA5	DIODE
D1131	MA165TA5	DIODE
D1132	MA165TA5	DIODE
D1133	MA4062	DIODE
D1151	LN81RPHL	DIODE
D1200	MA4047	DIODE
D1202	MA165TA5	DIODE
D1203	MA165TA5	DIODE
D1204	MA165TA5	DIODE
D1205	MA165TA5	DIODE
D1206	MA4047	DIODE
D1208	MA165TA5	DIODE
D1212	MA165TA5	DIODE
D1214	MA165TA5	DIODE
D1215	MA4047	DIODE
D1217	MA4022	DIODE
D1218	MA165TA5	DIODE
D1235	MA165TA5	DIODE
D1236	MA4056	DIODE
D1243	MA165TA5	DIODE
D1291	TVSS1WBS10	DIODE
D2003	MA151WKTX	DIODE
D2004	MA151WATX	DIODE
D2007	MA151WATX	DIODE
D2008	MA151ATX	DIODE
D2401	MA165TA5	DIODE
D2405	MA4043	DIODE
D2406	MA4056	DIODE
D2451	MA4022	DIODE
D2551	MA4062	DIODE
D3001	MA165TA5	DIODE
D3002	MA165TA5	DIODE
D3003	MA165TA5	DIODE
D3004	MA165TA5	DIODE
D3006	MA165TA5	DIODE
D3007	MA165TA5	DIODE
D3008	MA165TA5	DIODE
D3009	MA165TA5	DIODE
D3010	MA165TA5	DIODE
D3011	MA4120	DIODE

Ref No.	Part No.	Description
D3012	MA4120	DIODE
D3170	MA165TA5	DIODE
D3171	MA165TA5	DIODE
D3173	MA165TA5	DIODE
D3174	MA165TA5	DIODE
D3175	MA165TA5	DIODE
D3300	MA165TA5	DIODE
D3301	MA165TA5	DIODE
D3302	MA165TA5	DIODE
D3303	MA165TA5	DIODE
D3304	MA165TA5	DIODE
D3305	MA165TA5	DIODE
D3306	MA165TA5	DIODE
D3307	MA165TA5	DIODE
D3308	MA165TA5	DIODE
D3309	MA165TA5	DIODE
D3310	MA165TA5	DIODE
D3312	MA29TA5	DIODE
D3331	MA4056	DIODE
D3332	MA165TA5	DIODE
D3502	MA165TA5	DIODE
D3506	MA165TA5	DIODE
D3507	MA165TA5	DIODE
D3508	MA4082	DIODE
D3526	MA165TA5	DIODE
D3527	MA4082	DIODE
D3531	MA165TA5	DIODE
D3541	MA165TA5	DIODE

INTEGRATED CIRCUITS

IC70	UPC574J	REGULATOR
IC101	M52301SP	VIF/SIF
IC102	L78M09MRB	9V REGULATOR
IC178	L78M05MRB	5V REGULATOR
IC179	L78M12MRB	12V REGULATOR
IC301	CX20125	BLACK LEVEL EXPANDER
IC302	TDA4670	PICTURE SIGNAL IMPROV.
IC303	TDA3505	VIDEO CONTROL
IC451	AN5521	VERTICAL OUTPUT
IC501	TDA2579A	SYNC CIRCUIT
IC601	TDA4650-V4	COLOUR DECODER
IC602	TDA4660	LINE MEMORY
IC603	MN4053B	SWITCHING
IC701	TDA4950	E/W CORRECTION
IC826	SE140N	ERROR AMPLIFIER
IC891	L78M12MRB	12V REGULATOR
IC1101	MN8303	MANUAL KEY INPUT
IC1204	L78M05MRB	5V REGULATOR
IC1211	M6M80021P	MEMORY
IC1212	MN1280R	RESET
IC1213	MN1871611TBU	MICROPROCESSOR
IC2001	TB1204N	NICAM DECODER
IC2002	TA2009P	FILTER
IC2003	MN1280R	RESET
IC2004	BA4558	RESET
IC2101	AN5215	SOUND I.F.
IC2351	STK4392TV	AUDIO AMPLIFIER
IC2402	TA8184P	AUDIO CONTROL
IC2451	TDA3810	AMBIENCE CONTROL
IC2551	XRA15218N	TONE SHAPER
IC2552	XRA15218N	TONE SHAPER
IC3001	LA7222-TV	SWITCHING
IC3002	M52472P	SWITCHING
IC3003	M51326P	SWITCHING
IC3004	M51326P	SWITCHING
IC3301	AN5862K	SWITCHING
IC3302	AN5862K	SWITCHING
IC3501	SAA5231	TELETEXT VIP
IC3502	SAA5243P-E	CHARACTER GENERATOR
IC3503	PCD85C82P	EPROM
IC3505	L78M05MRB	5V REGULATOR
IC3506	LC3664AL-12	STATIC RAM
IC3507	PCF84C81P076	TELETEXT CONTROL

SURFACE MOUNTED LINKS

JBAK.K	ERJ6GMY0R00	S.M.LINK
JBE.K	ERJ6GMY0R00	S.M.LINK
JBF.K	ERJ6GMY0R00	S.M.LINK
JBH.K	ERJ6GMY0R00	S.M.LINK
JBK.K	ERJ6GMY0R00	S.M.LINK
JBL.K	ERJ6GMY0R00	S.M.LINK
JBR.K	ERJ6GMY0R00	S.M.LINK
JBV.K	ERJ6GMY0R00	S.M.LINK
JBY.K	ERJ6GMY0R00	S.M.LINK
JBZ.K	ERJ6GMY0R00	S.M.LINK
JC.15	ERJ6GMY0R00	S.M.LINK
JC.16	ERJ6GMY0R00	S.M.LINK
JC.17	ERJ6GMY0R00	S.M.LINK
JC.26	ERJ6GMY0R00	S.M.LINK
JC.27	ERJ6GMY0R00	S.M.LINK
JC.30	ERJ6GMY0R00	S.M.LINK
JC.31	ERJ6GMY0R00	S.M.LINK
JC.34	ERJ6GMY0R00	S.M.LINK
JC.36	ERJ6GMY0R00	S.M.LINK
JC.38	ERJ6GMY0R00	S.M.LINK
JC.39	ERJ6GMY0R00	S.M.LINK
JC.41	ERJ6GMY0R00	S.M.LINK
JC.43	ERJ6GMY0R00	S.M.LINK
JC.55	ERJ6GMY0R00	S.M.LINK
JC.65	ERJ6GMY0R00	S.M.LINK
JC.66	ERJ6GMY0R00	S.M.LINK
JC.69	ERJ6GMY0R00	S.M.LINK
JC.70	ERJ6GMY0R00	S.M.LINK
JC.71	ERJ6GMY0R00	S.M.LINK
JC.72	ERJ6GMY0R00	S.M.LINK
JC.73	ERJ6GMY0R00	S.M.LINK
JC.74	ERJ6GMY0R00	S.M.LINK
JC.75	ERJ6GMY0R00	S.M.LINK
JC.76	ERJ6GMY0R00	S.M.LINK
JC.79	ERJ6GMY0R00	S.M.LINK
JC.80	ERJ6GMY0R00	S.M.LINK
JC.81	ERJ6GMY0R00	S.M.LINK
JC.82	ERJ6GMY0R00	S.M.LINK
JC.83	ERJ6GMY0R00	S.M.LINK
JC.84	ERJ6GMY0R00	S.M.LINK
JC.85	ERJ6GMY0R00	S.M.LINK
JC.1	ERJ6GMY0R00	S.M.LINK
JC.2	ERJ6GMY0R00	S.M.LINK
JC.9	ERJ6GMY0R00	S.M.LINK
JER.K	ERD25TC0T	LINKWIRE

COILS

L12	TLT181K991R	COIL	
L13	EXCELDR35V	COIL	
L14	TSC937	CHOKE	
L101	TLT120K991R	COIL	
L103	TLT222K991R	COIL	
L104	TLT180K991R	COIL	
L105	TLI159X52	COIL	
L106	TLI157X53	COIL	
L107	TLT022K991R	COIL	
L110	TLI157X57	COIL	
L120	TLT220K991R	COIL	
L351	TLT181K991R	COIL	
L352	TLT181K991R	COIL	
L353	TLT181K991R	COIL	
L355	EXCELDR35V	COIL	
L356	EXCELDR35V	COIL	
L357	EXCELDR35V	COIL	
L451	TLT082K991R	COIL	
L551	EXCELDR35C	COIL	
L552	ELC08D055	COIL	
L553	ELH5L421	COIL	
L554	ELC15B004	COIL	
L604	ELEXT100KA	COIL	
L651	TLT100K991R	COIL	
L681	TLT150K991R	COIL	
L682	TLT390K991R	COIL	
L701	TLT082K991R	COIL	
L751	ELC10D006	COIL	
L801	ELF18D690A	COIL	⚠
L813	ELF18D690A	COIL	⚠
L814	TLQ056K236B	COIL	
L825	EXCELSA35T	COIL	
L851	EXCELSA35T	COIL	
L854	EXCELSA35T	COIL	
L891	TLT100K991R	COIL	
L901	TLT330K991R	COIL	

Ref No.	Part No.	Description
L904	EXCELSA35T	COIL
L951	TLT150K991R	COIL
L952	EXCELSA35T	COIL
L953	EXCELSA35T	COIL
L954	EXCELSA35T	COIL
L955	EXCELSA35T	COIL
L957	EXCELSA35T	COIL
L958	EXCELSA35T	COIL
L959	EXCELSA35T	COIL
L1200	ELEXT100KA	COIL
L1201	ELEXT100KA	COIL
L1203	ELEXT100KA	COIL
L1204	ELKTR150GA	COIL
L1207	ELEXT100KA	COIL
L1208	ELEXT100KA	COIL
L1209	ELEXT100KA	COIL
L1210	ERD25TC0T	LINKWIRE
L1211	ELEXT100KA	COIL
L1212	ELEXT100KA	COIL
L1213	ELEXT100KA	COIL
L1214	ELEXT100KA	COIL
L1215	ELEXT100KA	COIL
L1216	ELEXT100KA	COIL
L1217	ELEXT100KA	COIL
L1218	ELEXT100KA	COIL
L1220	ELEXT100KA	COIL
L1221	ELEXT100KA	COIL
L1222	ELEXT100KA	COIL
L1223	ELEXT100KA	COIL
L1224	ELEXT100KA	COIL
L1225	ELEXT100KA	COIL
L1226	ELEXT100KA	COIL
L1227	ELEXT100KA	COIL
L1228	ELEXT100KA	COIL
L1229	ELEXT100KA	COIL
L1230	ELEXT100KA	COIL
L1231	ELEXT100KA	COIL
L1232	ELKTR150GA	COIL
L1233	ELKTR150GA	COIL
L1234	ELKTR150GA	COIL
L1235	ELEXT100KA	COIL
L1236	EXCELSA35T	COIL
L1238	ELEXT6R8KA	COIL
L1239	ELEXT1R0KA	COIL
L1240	TLT100K991R	COIL
L1241	ELEXT100KA	COIL
L1242	ELEXT100KA	COIL
L1243	ELEXT100KA	COIL
L1244	ELEXT100KA	COIL
L1245	ELEXT100KA	COIL
L1246	ELEXT1R0KA	COIL
L1247	ELEXT100KA	COIL
L1248	ELEXT100KA	COIL
L1249	TLT100K991R	COIL
L1250	ELEXT100KA	COIL
L1252	ELEXT100KA	COIL
L1253	ELEXT100KA	COIL
L1254	ELEXT100KA	COIL
L1255	ELEXT100KA	COIL
L2001	EXCELDR35V	COIL
L2002	EXCELDR35V	COIL
L2003	EXCELDR35V	COIL
L2004	EXCELDR35V	COIL
L2006	EXCEMT103DTM	COIL
L2008	EXCEMT103DTM	COIL
L2009	EXCEMT103DTM	COIL
L2010	EXCEMT103DTM	COIL
L2011	EXCEMT103DTM	COIL
L2012	EXCEMT103DTM	COIL
L2105	TLI159X52	COIL
L2109	ELC08D055	COIL
L2112	TLS153X60Q	COIL
L2115	ELESN3R9KA	COIL
L2380	ELESN2R7KA	COIL
L2451	TLT100K991R	COIL
L3001	TLT100K991R	COIL
L3006	TLT100K991R	COIL
L3007	ELEXT100KA	COIL
L3171	EXCELDR35V	COIL
L3172	EXCELDR35V	COIL
L3173	TLT121K991R	COIL
L3501	TLT150K991R	COIL
L3502	TLT100K991R	COIL
L3503	TLT047K991R	COIL
L3504	EXCELSA35T	COIL
LC102	ELB5A074	COIL
LC601	TLK153052E	COIL

TRANSISTORS

Q101	2SC3354TA	TRANSISTOR
Q102	2SC3311ATA	TRANSISTOR
Q104	2SC2636-T	TRANSISTOR
Q105	BF370	TRANSISTOR
Q180	DTC114ESTQ	TRANSFORMER
Q301	2SC3311ATA	TRANSISTOR
Q302	2SC3311ATA	TRANSISTOR
Q303	2SC3311ATA	TRANSISTOR
Q309	2SC3311ATA	TRANSISTOR
Q318	2SC3311ATA	TRANSISTOR
Q354	2SA564-S	TRANSISTOR
Q355	2SC3311ATA	TRANSISTOR
Q365	2SC3311ATA	TRANSISTOR
Q366	2SC3311ATA	TRANSISTOR
Q367	2SC3311ATA	TRANSISTOR
Q401	2SC3311ATA	TRANSISTOR
Q402	2SC3311ATA	TRANSISTOR
Q502	2SC3311ATA	TRANSISTOR
Q503	2SC3311ATA	TRANSISTOR
Q504	2SC3311ATA	TRANSISTOR
Q531	2SD836-AL	TRANSISTOR
Q541	2SA1309ATA	TRANSISTOR
Q542	2SC3311ATA	TRANSISTOR
Q543	2SA1309ATA	TRANSISTOR
Q544	2SD965-R	TRANSISTOR
Q551	2SD1441-RL	TRANSISTOR
Q602	2SC3311ATA	TRANSISTOR
Q605	2SC3311ATA	TRANSISTOR
Q606	2SC3311ATA	TRANSISTOR
Q609	2SC3311ATA	TRANSISTOR
Q610	2SC3311ATA	TRANSISTOR
Q681	2SC3311ATA	TRANSISTOR
Q682	2SA1309ATA	TRANSISTOR
Q701	DTC114ESTQ	TRANSFORMER
Q821	2SC4557F713	TRANSISTOR
Q822	2SD965-R	TRANSISTOR
Q823	2SD965-R	TRANSISTOR
Q825	2SC1685-TA	TRANSISTOR
Q826	UN4214TA	TRANSISTOR
Q827	2SB873-Q	TRANSISTOR
Q901	2SC3311ATA	TRANSISTOR
Q902	2SC3311ATA	TRANSISTOR
Q903	2SC3311ATA	TRANSISTOR
Q904	2SC3311ATA	TRANSISTOR
Q905	2SA1309ATA	TRANSISTOR
Q906	2SA1309ATA	TRANSISTOR
Q907	2SC3311ATA	TRANSISTOR
Q909	2SC3311ATA	TRANSISTOR
Q910	2SC3311ATA	TRANSISTOR
Q911	2SC3311ATA	TRANSISTOR
Q951	2SC3311ATA	TRANSISTOR
Q952	2SC3311ATA	TRANSISTOR
Q953	2SD1423ATA	TRANSISTOR
Q954	2SA720-RS	TRANSISTOR
Q955	2SB940APLB	TRANSISTOR
Q956	2SD1264APLB	TRANSISTOR
Q1200	2SC3311ATA	TRANSISTOR
Q1201	2SC3311ATA	TRANSISTOR
Q1202	2SA1309ATA	TRANSISTOR
Q1215	2SC3311ATA	TRANSISTOR
Q1216	2SC3311ATA	TRANSISTOR
Q2001	2SC2480TX	TRANSISTOR
Q2002	2SC2480TX	TRANSISTOR
Q2003	2SB709AQTX	TRANSISTOR
Q2004	2SD601ATX	TRANSISTOR
Q2005	2SD601ATX	TRANSISTOR
Q2006	UN2211TX	TRANSISTOR
Q2007	2SD601ATX	TRANSISTOR
Q2008	2SD601ATX	TRANSISTOR
Q2009	UN2211TX	TRANSISTOR
Q2010	UN2211TX	TRANSISTOR
Q2011	2SB709AQTX	TRANSISTOR
Q2012	2SB709AQTX	TRANSISTOR

Ref No.	Part No.	Description
Q2101	2SC2636-T	TRANSISTOR
Q2103	2SC1047-BCD	TRANSISTOR
Q2202	2SB709AQTX	TRANSISTOR
Q2203	2SD601ATX	TRANSISTOR
Q2204	2SD601ATX	TRANSISTOR
Q2403	2SC3311ATA	TRANSISTOR
Q2404	2SC3311ATA	TRANSISTOR
Q2405	UN4216TA	TRANSISTOR
Q2406	UN4216TA	TRANSISTOR
Q2407	2SA1309ATA	TRANSISTOR
Q3001	2SA1309ATA	TRANSISTOR
Q3003	2SC1318-S	TRANSISTOR
Q3004	2SC3311ATA	TRANSISTOR
Q3005	2SC3311ATA	TRANSISTOR
Q3006	2SC3311ATA	TRANSISTOR
Q3007	2SC3354TA	TRANSISTOR
Q3008	2SC3311ATA	TRANSISTOR
Q3009	2SC3311ATA	TRANSISTOR
Q3010	2SC3311ATA	TRANSISTOR
Q3011	2SC3311ATA	TRANSISTOR
Q3012	2SC3311ATA	TRANSISTOR
Q3171	2SC3311ATA	TRANSISTOR
Q3172	2SC3311ATA	TRANSISTOR
Q3173	2SC3311ATA	TRANSISTOR
Q3174	2SC1318-S	TRANSISTOR
Q3175	2SA1309ATA	TRANSISTOR
Q3177	2SC3311ATA	TRANSISTOR
Q3303	2SA1309ATA	TRANSISTOR
Q3311	2SA1309ATA	TRANSISTOR
Q3501	2SC3311ATA	TRANSISTOR
Q3502	2SC3311ATA	TRANSISTOR
Q3503	2SC3311ATA	TRANSISTOR
Q3504	2SC3311ATA	TRANSISTOR
Q3505	2SC3311ATA	TRANSISTOR
Q3506	2SC3311ATA	TRANSISTOR
Q3507	2SA1309ATA	TRANSISTOR
Q3515	2SC3311ATA	TRANSISTOR
Q3522	2SA1309ATA	TRANSISTOR

RESISTORS

Ref No.	Part No.	Description			
R11	ERD25TJ223	CARBON	0.25W	5%	22KΩ
R12	ERD25TJ101	CARBON	0.25W	5%	100Ω
R13	ERD25TJ101	CARBON	0.25W	5%	100Ω
R18	ERJ6GMYJ101	S.M. CARB	0.1W	5%	100Ω
R70	ERG1ANJ822	METAL	1W	5%	8K2Ω
R101	ERJ6GMYJ221	S.M. CARB	0.1W	5%	220Ω
R102	ERJ6GMYJ681	S.M. CARB	0.1W	5%	680Ω
R105	ERJ6GMYJ332	S.M. CARB	0.1W	5%	3K3Ω
R106	ERJ6GMYJ562	S.M. CARB	0.1W	5%	5K6Ω
R107	ERJ6GMYJ822	S.M. CARB	0.1W	5%	8K2Ω
R108	ERJ6GMYJ182	S.M. CARB	0.1W	5%	1K8Ω
R109	ERJ6GMYJ101	S.M. CARB	0.1W	5%	100Ω
R110	ERJ6GMYJ470	S.M. CARB	0.1W	5%	47Ω
R113	ERD25TJ331	CARBON	0.25W	5%	330Ω
R114	ERJ6GMYJ124	S.M. CARB	0.1W	5%	120KΩ
R115	ERJ6GMYJ124	S.M. CARB	0.1W	5%	120KΩ
R116	ERJ6GMYJ103	S.M. CARB	0.1W	5%	10KΩ
R118	ERJ6GMYJ271	S.M. CARB	0.1W	5%	270Ω
R119	ERJ6GMYJ184	S.M. CARB	0.1W	5%	180KΩ
R120	ERJ6GMYJ331	S.M. CARB	0.1W	5%	330Ω
R122	ERD25TJ102	CARBON	0.25W	5%	1KΩ
R125	ERJ6GMYJ392	S.M. CARB	0.1W	5%	3K9Ω
R126	ERJ6GMYJ392	S.M. CARB	0.1W	5%	3K9Ω
R127	ERJ6GMYJ472	S.M. CARB	0.1W	5%	4K7Ω
R128	EVNDCAA03B53	R.F. AGC			5KΩ
R129	ERJ6GMYJ562	S.M. CARB	0.1W	5%	5K6Ω
R130	ERJ6GMYJ331	S.M. CARB	0.1W	5%	330Ω
R131	ERJ6GMYJ470	S.M. CARB	0.1W	5%	47Ω
R132	ERJ6GMYJ101	S.M. CARB	0.1W	5%	100Ω
R136	ERJ6GMYJ392	S.M. CARB	0.1W	5%	3K9Ω
R137	ERJ6GMYJ392	S.M. CARB	0.1W	5%	3K9Ω
R138	ERJ6GMYJ331	S.M. CARB	0.1W	5%	330Ω
R140	ERJ6GMYJ102	S.M. CARB	0.1W	5%	1KΩ
R141	ERJ6GMYJ332	S.M. CARB	0.1W	5%	3K3Ω
R142	ERJ6GMYJ222	S.M. CARB	0.1W	5%	2K2Ω
R145	ERJ6GMYJ561	S.M. CARB	0.1W	5%	560Ω
R150	ERJ6GMYJ562	S.M. CARB	0.1W	5%	5K6Ω
R151	ERJ6GMYJ562	S.M. CARB	0.1W	5%	5K6Ω
R153	ERJ6GMYJ681	S.M. CARB	0.1W	5%	680Ω
R173	ERG2ANJ220	METAL	2W	5%	22Ω
R177	ERG2ANJ270	METAL	2W	5%	27Ω
R178	ERG1ANJ100	METAL	1W	5%	10Ω
R180	ERJ6GMYJ684	S.M. CARB	0.1W	5%	680KΩ
R300	ERD25TJ152	CARBON	0.25W	5%	1K5Ω
R301	ERD25TJ102	CARBON	0.25W	5%	1KΩ
R302	ERD25TJ223	CARBON	0.25W	5%	22KΩ
R303	ERD25TJ152	CARBON	0.25W	5%	1K5Ω
R304	ERD25TJ153	CARBON	0.25W	5%	15KΩ
R305	ERD25TJ622	CARBON	0.25W	5%	6K2Ω
R306	ERD25TJ125	CARBON	0.25W	5%	1M2Ω
R307	ERD25TJ182	CARBON	0.25W	5%	1K8Ω
R308	ERD25TJ152	CARBON	0.25W	5%	1K5Ω
R309	ERD25TJ391	CARBON	0.25W	5%	390Ω
R310	ERD25TJ182	CARBON	0.25W	5%	1K8Ω
R311	ERD25TJ222	CARBON	0.25W	5%	2K2Ω
R312	ERD25TJ392	CARBON	0.25W	5%	3K9Ω
R313	ERD25TJ122	CARBON	0.25W	5%	1K2Ω
R315	ERD25TJ223	CARBON	0.25W	5%	22KΩ
R316	ERD25TJ102	CARBON	0.25W	5%	1KΩ
R317	EVND4AA00B54	SUB CONTRAST			50KΩ
R318	ERD25TJ102	CARBON	0.25W	5%	1KΩ
R319	ERD25TJ563	CARBON	0.25W	5%	68KΩ
R320	ERD25TJ331	CARBON	0.25W	5%	330Ω
R321	EVNDCAA03B14	SUB BRIGHTNESS			10KΩ
R322	ERD25TJ333	CARBON	0.25W	5%	33KΩ
R323	ERD25TJ223	CARBON	0.25W	5%	22KΩ
R324	ERD25TJ223	CARBON	0.25W	5%	22KΩ
R325	ERD25TJ391	CARBON	0.25W	5%	390Ω
R326	ERD25TJ153	CARBON	0.25W	5%	15KΩ
R328	ERDS1FJ101	CARBON	0.5W	5%	100Ω ⚠
R329	ERD25TJ822	CARBON	0.25W	5%	8K2Ω
R331	ERD25TJ822	CARBON	0.25W	5%	8K2Ω
R332	ERD25TJ222	CARBON	0.25W	5%	2K2Ω
R333	ERD25TJ123	CARBON	0.25W	5%	12KΩ
R335	ERDS1TJ471	CARBON	0.5W	5%	470Ω
R336	ERD25TJ223	CARBON	0.25W	5%	22KΩ
R337	ERD25TJ273	CARBON	0.25W	5%	27KΩ
R338	ERD25TJ102	CARBON	0.25W	5%	1KΩ
R340	ERD25TJ102	CARBON	0.25W	5%	1KΩ
R344	ERD25TJ102	CARBON	0.25W	5%	1KΩ
R345	ERO25CKF3001	METAL	0.25W	1%	3KΩ ⚠
R346	ERO25CKF3001	METAL	0.25W	1%	3KΩ ⚠
R349	ERD25TJ123	CARBON	0.25W	5%	12KΩ
R351	ERG2ANJ123	METAL	2W	5%	12KΩ
R352	ERG2ANJ123	METAL	2W	5%	12KΩ
R353	ERG3ANJ123	METAL	3W	5%	12KΩ
R354	ERD25TJ181	CARBON	0.25W	5%	180Ω
R355	ERD25TJ271	CARBON	0.25W	5%	270Ω
R356	ERD25TJ181	CARBON	0.25W	5%	180Ω
R357	EVN65UA00B22	GREEN DRIVE			200Ω
R358	EVN65UA00B22	RED DRIVE			200Ω
R359	ERD25TJ471	CARBON	0.25W	5%	470Ω
R360	ERD25TJ471	CARBON	0.25W	5%	470Ω
R361	ERD25TJ471	CARBON	0.25W	5%	470Ω
R362	EVN65UA00B53	GREEN CUT OFF			5KΩ
R363	EVN65UA00B53	BLUE CUT OFF			5KΩ
R364	EVN65UA00B53	RED CUT OFF			5KΩ
R365	ERDS1FJ152	CARBON	0.5W	5%	1K5Ω ⚠
R366	ERDS1TJ152	CARBON	0.5W	5%	1K5Ω
R367	ERDS1TJ152	CARBON	0.5W	5%	1K5Ω
R371	ERD25TJ270	CARBON	0.25W	5%	27Ω
R372	ERD25TJ270	CARBON	0.25W	5%	27Ω
R373	ERD25TJ270	CARBON	0.25W	5%	27Ω
R374	ERD25TJ274	CARBON	0.25W	5%	270KΩ
R375	ERD25TJ223	CARBON	0.25W	5%	22KΩ
R376	ERD25TJ684	CARBON	0.25W	5%	680KΩ
R378	ERD25TJ103	CARBON	0.25W	5%	10KΩ
R379	ERD25TJ104	CARBON	0.25W	5%	100KΩ
R380	ERD25TJ563	CARBON	0.25W	5%	56KΩ
R381	ERD25TJ102	CARBON	0.25W	5%	1KΩ
R382	ERD25TJ225	CARBON	0.25W	5%	2M2Ω
R384	ERD25TJ101	CARBON	0.25W	5%	100Ω
R390	ERDS1TJ124	CARBON	0.5W	5%	120KΩ
R391	ERD25TJ103	CARBON	0.25W	5%	10KΩ
R392	ERD25TJ561	CARBON	0.25W	5%	560Ω
R393	ERD25TJ561	CARBON	0.25W	5%	560Ω
R394	ERD25TJ561	CARBON	0.25W	5%	560Ω
R402	ERD25TJ102	CARBON	0.25W	5%	1KΩ
R403	ERD25TJ184	CARBON	0.25W	5%	180KΩ
R404	ERD25TJ244	CARBON	0.25W	5%	240KΩ

Ref No.	Part No.	Description				
R405	EVNDCAA03B35	VERTICAL HEIGHT			300KΩ	
R406	ERD25TJ105	CARBON	0.25W	5%	1MΩ	
R407	ERD25TJ822	CARBON	0.25W	5%	8K2Ω	
R408	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R409	ERD25TJ473	CARBON	0.25W	5%	47KΩ	
R410	ERD25TJ562	CARBON	0.25W	5%	5K6Ω	
R411	ERD25TJ125	CARBON	0.25W	5%	1M2Ω	
R413	ERD25TJ183	CARBON	0.25W	5%	18KΩ	
R414	ERD25TJ473	CARBON	0.25W	5%	47KΩ	
R451	TSF19801	FS LINK				⚠
R452	ERD25TJ392	CARBON	0.25W	5%	3K9Ω	
R453	ERD25TJ332	CARBON	0.25W	5%	3K3Ω	
R454	ERD25TJ392	CARBON	0.25W	5%	3K9Ω	
R455	ERD25TJ1R0	CARBON	0.25W	5%	1Ω	
R456	ERD25TJ2R0	CARBON	0.25W	5%	2Ω	
R457	ERD25TJ562	CARBON	0.25W	5%	5K6Ω	
R458	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R459	ERD25TJ303	CARBON	0.25W	5%	30KΩ	
R460	ERD25TJ273	CARBON	0.25W	5%	27KΩ	
R461	ERD25TJ1R0	CARBON	0.25W	5%	1Ω	
R462	ERDS1TJ1R8	CARBON	0.5W	5%	1R8Ω	
R463	ERD25TJ223	CARBON	0.25W	5%	22KΩ	
R464	ERD25TJ561	CARBON	0.25W	5%	560Ω	
R465	ERDS1TJ102	CARBON	0.5W	5%	1KΩ	
R466	ERDS1TJ152	CARBON	0.5W	5%	1K5Ω	
R467	ERD25TJ153	CARBON	0.25W	5%	15KΩ	
R468	ERDS1TJ471	CARBON	0.5W	5%	470Ω	
R469	ERD25TJ471	CARBON	0.25W	5%	470Ω	
R470	ERG2SJU391	METAL	2W	5%	390Ω	
R471	ERD25TJ105	CARBON	0.25W	5%	1MΩ	
R500	ERD25TJ104	CARBON	0.25W	5%	100KΩ	
R502	EVND4AA00B14	HORIZONTAL HEIGHT			10KΩ	
R503	ERO25CKF3002	METAL	0.25W	1%	30KΩ	⚠
R505	ERD25TJ563	CARBON	0.25W	5%	56KΩ	
R506	ERD25TJ682	CARBON	0.25W	5%	6K8Ω	
R507	EVND4AA00B54	HORIZONTAL CENT			50KΩ	
R508	ERD25TJ273	CARBON	0.25W	5%	27KΩ	
R510	ERD25TJ222	CARBON	0.25W	5%	2K2Ω	
R511	ERD25TJ682	CARBON	0.25W	5%	6K8Ω	
R512	ERD25TJ820	CARBON	0.25W	5%	82Ω	
R513	ERD25TJ333	CARBON	0.25W	5%	33KΩ	
R514	ERD25TJ392	CARBON	0.25W	5%	3K9Ω	
R515	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R516	ERD25TJ562	CARBON	0.25W	5%	5K6Ω	
R517	ERD25TJ392	CARBON	0.25W	5%	3K9Ω	
R518	ERD25TJ391	CARBON	0.25W	5%	390Ω	
R519	ERD25TJ562	CARBON	0.25W	5%	5K6Ω	
R520	ERD25TJ153	CARBON	0.25W	5%	15KΩ	
R521	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R522	ERD25TJ473	CARBON	0.25W	5%	47KΩ	
R523	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R524	ERD25TJ683	CARBON	0.25W	5%	68KΩ	
R525	ERD25TJ823	CARBON	0.25W	5%	82KΩ	
R526	ERD25TJ125	CARBON	0.25W	5%	1M2Ω	
R527	ERO25CKF8201	METAL	0.25W	1%	8K2Ω	⚠
R528	ERO25CKF3901	METAL	0.25W	1%	3K9Ω	⚠
R529	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R531	ERG2ANJ391	METAL	2W	5%	390Ω	
R532	ERD25TJ562	CARBON	0.25W	5%	5K6Ω	
R534	ERD25TJ562	CARBON	0.25W	5%	5K6Ω	
R535	ERD25TJ471	CARBON	0.25W	5%	470Ω	
R540	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R542	ERD25TJ474	CARBON	0.25W	5%	470KΩ	
R543	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R544	ERQ14AJ101	METAL	0.25W	5%	100Ω	⚠
R545	ERD25TJ153	CARBON	0.25W	5%	15KΩ	
R546	ERO25CKF1403	METAL	0.25W	1%	120KΩ	⚠
R549	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R551	ERF7ZK3R3	WOUND	7W	20%	3R3Ω	⚠
R553	ERQ12HJ1R2	METAL	0.5W	5%	1R2Ω	⚠
R554	ERD25TJ274	CARBON	0.25W	5%	270KΩ	
R555	TSF19102	FS LINK				⚠
R556	ERQ12HJ3R3	METAL	0.5W	5%	3R3Ω	⚠
R557	ERQ12HJ5R6	METAL	0.5W	5%	5R6Ω	⚠
R559	ERD25TJ472	CARBON	0.25W	5%	4K7Ω	
R560	ERD25TJ681	CARBON	0.25W	5%	680Ω	
R562	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R563	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R564	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R565	ERQ1CJP102	METAL	1W	5%	1KΩ	⚠

Ref No.	Part No.	Description				
R600	ERQ14AJ3R3	METAL	0.25W	5%	3R3Ω	⚠
R601	ERD25TJ271	CARBON	0.25W	5%	270Ω	
R604	ERD25TJ183	CARBON	0.25W	5%	18KΩ	
R605	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R606	EVND4AA00B54	SUB COLOUR			50KΩ	
R608	ERD25TJ821	CARBON	0.25W	5%	820Ω	
R609	ERD25TJ822	CARBON	0.25W	5%	8K2Ω	
R611	ERD25TJ152	CARBON	0.25W	5%	1K5Ω	
R615	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R616	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R617	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R618	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R620	ERD25TJ681	CARBON	0.25W	5%	680Ω	
R621	ERD25TJ105	CARBON	0.25W	5%	1MΩ	
R622	ERD25TJ332	CARBON	0.25W	5%	3K3Ω	
R625	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R626	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R627	ERD25TJ473	CARBON	0.25W	5%	47KΩ	
R629	ERD25TJ123	CARBON	0.25W	5%	12KΩ	
R630	ERD25TJ561	CARBON	0.25W	5%	560Ω	
R632	ERD25TJ333	CARBON	0.25W	5%	33KΩ	
R634	ERD25TJ151	CARBON	0.25W	5%	150Ω	
R635	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R636	ERD25TJ123	CARBON	0.25W	5%	12KΩ	
R637	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R638	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R642	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R643	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R645	ERD25TJ332	CARBON	0.25W	5%	3K3Ω	
R646	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R648	ERD25TJ823	CARBON	0.25W	5%	82KΩ	
R651	ERD25TJ681	CARBON	0.25W	5%	680Ω	
R653	ERD25TJ222	CARBON	0.25W	5%	2K2Ω	
R655	ERD25TJ104	CARBON	0.25W	5%	100KΩ	
R659	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R660	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R662	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R663	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R665	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R667	ERD25TJ822	CARBON	0.25W	5%	8K2Ω	
R668	ERD25TJ182	CARBON	0.25W	5%	1K8Ω	
R669	ERD25TJ153	CARBON	0.25W	5%	15KΩ	
R670	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R671	ERD25TJ104	CARBON	0.25W	5%	100KΩ	
R675	ERD25TJ272	CARBON	0.25W	5%	2K7Ω	
R676	ERD25TJ333	CARBON	0.25W	5%	33KΩ	
R678	ERD25TJ331	CARBON	0.25W	5%	330Ω	
R680	ERD25TJ272	CARBON	0.25W	5%	2K7Ω	
R682	ERD25TJ471	CARBON	0.25W	5%	470Ω	
R682	ERD25TJ563	CARBON	0.25W	5%	56KΩ	
R683	ERD25TJ222	CARBON	0.25W	5%	2K2Ω	
R684	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R687	ERD25TJ222	CARBON	0.25W	5%	2K2Ω	
R688	ERD25TJ821	CARBON	0.25W	5%	820Ω	
R689	ERD25TJ391	CARBON	0.25W	5%	390Ω	
R690	ERD25TJ223	CARBON	0.25W	5%	22KΩ	
R691	ERD25TJ271	CARBON	0.25W	5%	270Ω	
R692	ERD25TJ392	CARBON	0.25W	5%	3K9Ω	
R693	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R694	ERD25TJ391	CARBON	0.25W	5%	390Ω	
R695	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R701	ERD25TJ100	CARBON	0.25W	5%	10Ω	
R702	ERD25TJ6R8	CARBON	0.25W	5%	6R8Ω	
R703	ERD25TJ681	CARBON	0.25W	5%	680Ω	
R704	EVND4AA00B15	PARABOLA			100KΩ	
R705	ERD25TJ472	CARBON	0.25W	5%	4K7Ω	
R706	ERQ14AJ100	METAL	0.25W	5%	10Ω	⚠
R707	ERD25TJ242	CARBON	0.25W	5%	2K4Ω	
R708	EVND4AA00B13	WIDTH			1KΩ	
R709	ERD25TJ153	CARBON	0.25W	5%	15KΩ	
R710	ERD25TJ682	CARBON	0.25W	5%	6K8Ω	
R711	ERD25TJ393	CARBON	0.25W	5%	39KΩ	
R712	ERD25TJ153	CARBON	0.25W	5%	15KΩ	
R713	ERD25TJ393	CARBON	0.25W	5%	39KΩ	
R714	EVNDCAA03B53	TRAPEZOID			5KΩ	
R715	ERD25TJ153	CARBON	0.25W	5%	15KΩ	
R716	ERD25TJ133	CARBON	0.25W	5%	13KΩ	
R717	ERD25TJ104	CARBON	0.25W	5%	100KΩ	
R719	ERD25TJ184	CARBON	0.25W	5%	180KΩ	
R751	ERQ12HJ330	METAL	0.5W	5%	33Ω	⚠

Ref No.	Part No.	Description				
R801	ERC12ZGK335D	SOLID	0.5W	10%	3M3Ω	
R822	ERF10ZK4R7	WOUND	10W	5%	4R7Ω	⚠
R824	ERG2ANJ104	METAL	2W	5%	100KΩ	
R825	ERG2ANJ104	METAL	2W	5%	100KΩ	
R826	ERQ12HJ5R6	METAL	0.5W	5%	5R6Ω	⚠
R827	ERG2ANJ683	METAL	2W	5%	68KΩ	
R828	ERG2ANJ150	METAL	2W	5%	15Ω	
R829	ERD25TJ682	CARBON	0.25W	5%	6K8Ω	
R830	ERQ1CJP3R9	METAL	1W	5%	3R9Ω	⚠
R831	ERW12PKR15	METAL	0.5W	10%	0R15Ω	⚠
R832	ERD25TJ471	CARBON	0.25W	5%	470Ω	
R833	ERD25TJ394	CARBON	0.25W	5%	390KΩ	
R834	ERD75TAJ825	CARBON	0.75W	5%	8M2Ω	⚠
R835	ERD25TJ561	CARBON	0.25W	5%	560Ω	
R836	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R837	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R839	ERD25TJ473	CARBON	0.25W	5%	47KΩ	
R842	ERD25TJ472	CARBON	0.25W	5%	4K7Ω	
R843	ERD25TJ562	CARBON	0.25W	5%	5K6Ω	
R844	ERD25TJ472	CARBON	0.25W	5%	4K7Ω	
R845	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R846	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R847	ERD25TJ473	CARBON	0.25W	5%	47KΩ	
R851	ERX1ANJR33	METAL	1W	5%	0R33Ω	⚠
R852	ERF2AKR22	WOUND	2W	20%	0R22Ω	⚠
R853	ERF2AKR22	WOUND	2W	20%	0R22Ω	⚠
R854	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R856	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R857	ERQ14AJ100	METAL	0.25W	5%	10Ω	⚠
R858	ERG1ANJ103	METAL	1W	5%	10KΩ	
R860	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R862	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R891	ERG3SJU330	METAL	3W	5%	33Ω	
R892	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R901	ERD25TJ182	CARBON	0.25W	5%	1K8Ω	
R902	ERD25TJ222	CARBON	0.25W	5%	2K2Ω	
R903	ERD25TJ123	CARBON	0.25W	5%	12KΩ	
R904	ERD25TJ562	CARBON	0.25W	5%	5K6Ω	
R906	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R907	ERD25TJ124	CARBON	0.25W	5%	120KΩ	
R908	ERD25TJ272	CARBON	0.25W	5%	2K7Ω	
R909	ERD25TJ272	CARBON	0.25W	5%	2K7Ω	
R911	ERG1ANJ561	METAL	1W	5%	560Ω	
R912	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R913	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R914	ERD25TJ472	CARBON	0.25W	5%	4K7Ω	
R915	ERD25TJ222	CARBON	0.25W	5%	2K2Ω	
R916	ERD25TJ681	CARBON	0.25W	5%	680Ω	
R917	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R918	ERD25TJ273	CARBON	0.25W	5%	27KΩ	
R919	ERD25TJ223	CARBON	0.25W	5%	22KΩ	
R920	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R921	ERD25TJ222	CARBON	0.25W	5%	2K2Ω	
R922	ERD25TJ152	CARBON	0.25W	5%	1K5Ω	
R923	ERD25TJ222	CARBON	0.25W	5%	2K2Ω	
R924	ERD25TJ122	CARBON	0.25W	5%	1K2Ω	
R925	ERD25TJ222	CARBON	0.25W	5%	2K2Ω	
R926	ERD25TJ222	CARBON	0.25W	5%	2K2Ω	
R927	ERD25TJ122	CARBON	0.25W	5%	1K2Ω	
R928	ERD25TJ222	CARBON	0.25W	5%	2K2Ω	
R929	ERD25TJ122	CARBON	0.25W	5%	1K2Ω	
R930	ERD25TJ152	CARBON	0.25W	5%	1K5Ω	
R950	ERD25TJ821	CARBON	0.25W	5%	820Ω	
R951	ERD25TJ681	CARBON	0.25W	5%	680Ω	
R952	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R953	ERD25TJ272	CARBON	0.25W	5%	2K7Ω	
R954	ERD25TJ182	CARBON	0.25W	5%	1K8Ω	
R955	ERD25TJ680	CARBON	0.25W	5%	68Ω	
R956	ERD25TJ221	CARBON	0.25W	5%	220Ω	
R957	ERD25TJ222	CARBON	0.25W	5%	2K2Ω	
R960	ERQ14AJ100	METAL	0.25W	5%	10Ω	⚠
R961	ERQ12HJ102	METAL	0.5W	5%	1KΩ	⚠
R962	ERQ14AJ820	METAL	0.25W	5%	82Ω	⚠
R963	ERQ14AJ820	METAL	0.25W	5%	82Ω	⚠
R964	ERD25TJ122	CARBON	0.25W	5%	1K2Ω	
R965	ERD25TJ563	CARBON	0.25W	5%	56KΩ	
R966	ERDS1FYJ471	CARBON	0.5W	5%	470Ω	⚠
R967	ERD25TJ563	CARBON	0.25W	5%	56KΩ	
R968	ERD25TJ122	CARBON	0.25W	5%	1K2Ω	
R969	ERDS1FYJ390	CARBON	0.5W	5%	39Ω	⚠

Ref No.	Part No.	Description				
R970	ERD25TJ2R7	CARBON	0.25W	5%	2R7Ω	
R971	ERD25TJ2R7	CARBON	0.25W	5%	2R7Ω	
R972	ERDS1FYJ390	CARBON	0.5W	5%	39Ω	⚠
R973	ERDS1FYJ101	CARBON	0.5W	5%	100Ω	⚠
R974	ERD25TJ222	CARBON	0.25W	5%	2K2Ω	
R985	ERD25TJ821	CARBON	0.25W	5%	820Ω	
R.134	ERJ6GMY0R00	S.M. LINK				
R1053	ERJ6GEYJ560	S.M. CARB	0.1W	5%	56Ω	
R1054	ERJ6GEYJ394	S.M. CARB	0.1W	5%	390KΩ	
R1101	ERD25TJ221	CARBON	0.25W	5%	220Ω	
R1103	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R1104	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R1105	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R1106	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R1107	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R1108	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R1109	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R1110	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R1111	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R1112	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R1200	ERD25TJ104	CARBON	0.25W	5%	100KΩ	
R1202	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R1203	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R1204	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R1205	ERD25TJ333	CARBON	0.25W	5%	33KΩ	
R1207	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R1209	ERD25TJ472	CARBON	0.25W	5%	4K7Ω	
R1210	ERD25TJ333	CARBON	0.25W	5%	33KΩ	
R1212	ERD25TJ562	CARBON	0.25W	5%	5K6Ω	
R1213	ERD25TJ563	CARBON	0.25W	5%	56KΩ	
R1214	ERD25TJ563	CARBON	0.25W	5%	56KΩ	
R1216	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R1217	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R1218	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R1219	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R1220	ERD25TJ223	CARBON	0.25W	5%	22KΩ	
R1221	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R1222	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R1223	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R1224	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R1226	ERD25TJ562	CARBON	0.25W	5%	5K6Ω	
R1227	ERD25TJ393	CARBON	0.25W	5%	39KΩ	
R1230	ERD25TJ683	CARBON	0.25W	5%	68KΩ	
R1231	ERD25TJ392	CARBON	0.25W	5%	3K9Ω	
R1232	ERD25TJ332	CARBON	0.25W	5%	3K3Ω	
R1233	ERD25TJ332	CARBON	0.25W	5%	3K3Ω	
R1234	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R1235	ERD25TJ123	CARBON	0.25W	5%	12KΩ	
R1236	ERD25TJ472	CARBON	0.25W	5%	4K7Ω	
R1237	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R1238	ERD25TJ473	CARBON	0.25W	5%	47KΩ	
R1239	ERD25TJ472	CARBON	0.25W	5%	4K7Ω	
R1240	ERD25TJ821	CARBON	0.25W	5%	820Ω	
R1242	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R1243	ERD25TJ392	CARBON	0.25W	5%	3K9Ω	
R1245	ERD25TJ823	CARBON	0.25W	5%	82KΩ	
R1246	ERD25TJ392	CARBON	0.25W	5%	3K9Ω	
R1247	ERD25TJ182	CARBON	0.25W	5%	1K8Ω	
R1248	ERD25TJ822	CARBON	0.25W	5%	8K2Ω	
R1251	ERD25TJ822	CARBON	0.25W	5%	8K2Ω	
R1253	ERD25TJ123	CARBON	0.25W	5%	12KΩ	
R1256	ERD25TJ562	CARBON	0.25W	5%	5K6Ω	
R1257	ERD25TJ562	CARBON	0.25W	5%	5K6Ω	
R1259	ERD25TJ681	CARBON	0.25W	5%	680Ω	
R1260	ERD25TJ123	CARBON	0.25W	5%	12KΩ	
R1261	ERD25TJ563	CARBON	0.25W	5%	56KΩ	
R1262	ERD25TJ222	CARBON	0.25W	5%	2K2Ω	
R1264	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R1265	ERD25TJ562	CARBON	0.25W	5%	5K6Ω	
R1271	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R1273	ERD25TJ392	CARBON	0.25W	5%	3K9Ω	
R1275	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R1287	ERD25TJ562	CARBON	0.25W	5%	5K6Ω	
R1291	TSF19631	FS LINK				⚠
R2007	ERJ6GMYJ433	S.M. CARB	0.1W	5%	43KΩ	
R2008	ERJ6GMYJ472	S.M. CARB	0.1W	5%	4K7Ω	
R2009	ERJ6GMY0R00	S.M. LINK				
R2010	ERJ6GMYJ563	S.M. CARB	0.1W	5%	56KΩ	
R2011	ERJ6GMYJ623	S.M. CARB	0.1W	5%	63KΩ	
R2012	EVND4AA00B15	CONTROL			100KΩ	

Ref No.	Part No.	Description				
R2015	ERJ6GMYJ472	S.M. CARB	0.1W	5%	4K7Ω	
R2016	ERJ6GMYJ433	S.M. CARB	0.1W	5%	43KΩ	
R2017	ERJ6GMYJ102	S.M. CARB	0.1W	5%	1KΩ	
R2018	ERJ6GMYJ103	S.M. CARB	0.1W	5%	10KΩ	
R2019	ERJ6GMYJ304	S.M. CARB	0.1W	5%	30KΩ	
R2020	ERJ6GMYJ103	S.M. CARB	0.1W	5%	10KΩ	
R2024	ERJ6GMYJ102	S.M. CARB	0.1W	5%	1KΩ	
R2025	ERJ6GMYJ683	S.M. CARB	0.1W	5%	68KΩ	
R2026	ERJ6GMYJ153	S.M. CARB	0.1W	5%	15KΩ	
R2027	ERJ6GMYJ153	S.M. CARB	0.1W	5%	15KΩ	
R2031	ERD25TJ473	CARBON	0.25W	5%	47KΩ	
R2032	ERJ6GMYJ473	S.M. CARB	0.1W	5%	47KΩ	
R2033	ERJ6GMYJ471	S.M. CARB	0.1W	5%	470Ω	
R2034	ERJ6GMYJ182	S.M. CARB	0.1W	5%	1K8Ω	
R2035	ERJ6GMYJ182	S.M. CARB	0.1W	5%	1K8Ω	
R2036	ERD2FCG330	CARBON	0.25W	5%	33Ω	
R2037	ERJ6GMYJ223	S.M. CARB	0.1W	5%	22KΩ	
R2038	ERJ6GMYJ560	S.M. CARB	0.1W	5%	56Ω	
R2039	ERJ6GMYJ471	S.M. CARB	0.1W	5%	470Ω	
R2040	ERJ6GMYJ103	S.M. CARB	0.1W	5%	10KΩ	
R2041	ERJ6GMYJ222	S.M. CARB	0.1W	5%	2K2Ω	
R2042	ERJ6GMYJ473	S.M. CARB	0.1W	5%	47KΩ	
R2043	ERJ6GMYJ153	S.M. CARB	0.1W	5%	15KΩ	
R2044	ERJ6GMYJ222	S.M. CARB	0.1W	5%	2K2Ω	
R2047	ERJ6GMYJ152	S.M. CARB	0.1W	5%	1K5Ω	
R2048	ERJ6GMYJ393	S.M. CARB	0.1W	5%	39KΩ	
R2049	ERJ6GMYJ681	S.M. CARB	0.1W	5%	680Ω	
R2050	ERJ6GMYJ181	S.M. CARB	0.1W	5%	180Ω	
R2051	ERJ6GMYJ224	S.M. CARB	0.1W	5%	220KΩ	
R2052	ERJ6GMYJ242	S.M. CARB	0.1W	5%	2.2KΩ	
R2053	ERJ6GMYJ393	S.M. CARB	0.1W	5%	39KΩ	
R2055	ERJ6GMYJ273	S.M. CARB	0.1W	5%	27KΩ	
R2056	ERJ6GMYJ153	S.M. CARB	0.1W	5%	15KΩ	
R2057	ERJ6GMYJ273	S.M. CARB	0.1W	5%	27KΩ	
R2058	ERJ6GMYJ153	S.M. CARB	0.1W	5%	15KΩ	
R2059	ERJ6GMYJ394	S.M. CARB	0.1W	5%	390KΩ	
R2060	ERJ6GMYJ563	S.M. CARB	0.1W	5%	56KΩ	
R2061	ERJ6GMY0R00	S.M. LINK				
R2062	ERJ6GMYJ103	S.M. CARB	0.1W	5%	10KΩ	
R2063	ERJ6GMYJ103	S.M. CARB	0.1W	5%	10KΩ	
R2064	ERJ6GMYJ562	S.M. CARB	0.1W	5%	5K6Ω	
R2065	ERJ6GMYJ101	S.M. CARB	0.1W	5%	100Ω	
R2066	ERJ6GMYJ102	S.M. CARB	0.1W	5%	1KΩ	
R2069	ERJ6GMYJ394	S.M. CARB	0.1W	5%	390KΩ	
R2070	ERJ6GMYJ563	S.M. CARB	0.1W	5%	56KΩ	
R2071	ERJ6GMY0R00	S.M. LINK				
R2072	ERJ6GMYJ103	S.M. CARB	0.1W	5%	10KΩ	
R2073	ERJ6GMYJ103	S.M. CARB	0.1W	5%	10KΩ	
R2074	ERJ6GMYJ562	S.M. CARB	0.1W	5%	5K6Ω	
R2075	ERJ6GMYJ102	S.M. CARB	0.1W	5%	1KΩ	
R2078	ERJ6GMYJ103	S.M. CARB	0.1W	5%	10KΩ	
R2079	ERJ6GMYJ103	S.M. CARB	0.1W	5%	10KΩ	
R2080	ERJ6GMYJ103	S.M. CARB	0.1W	5%	10KΩ	
R2081	ERJ6GMYJ103	S.M. CARB	0.1W	5%	10KΩ	
R2084	ERJ6GMYJ103	S.M. CARB	0.1W	5%	10KΩ	
R2085	ERJ6GMYJ103	S.M. CARB	0.1W	5%	10KΩ	
R2086	ERJ6GMYJ103	S.M. CARB	0.1W	5%	10KΩ	
R2089	ERJ6GMYJ562	S.M. CARB	0.1W	5%	5K6Ω	
R2090	ERJ6GMYJ562	S.M. CARB	0.1W	5%	5K6Ω	
R2091	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R2092	ERJ6GMYJ103	S.M. CARB	0.1W	5%	10KΩ	
R2093	ERJ6GMYJ104	S.M. CARB	0.1W	5%	100KΩ	
R2094	ERJ6GMYJ104	S.M. CARB	0.1W	5%	100KΩ	
R2095	ERJ6GMYJ473	S.M. CARB	0.1W	5%	47KΩ	
R2096	ERD25TJ121	CARBON	0.25W	5%	120Ω	
R2097	ERJ6GMYJ471	S.M. CARB	0.1W	5%	470Ω	
R2102	ERJ6GMYJ272	S.M. CARB	0.1W	5%	2K7Ω	
R2103	ERJ6GMYJ271	S.M. CARB	0.1W	5%	270Ω	
R2109	ERJ6GMYJ471	S.M. CARB	0.1W	5%	470Ω	
R2110	ERD2FCG330	CARBON	0.25W	5%	33Ω	
R2112	ERJ6GMYJ472	S.M. CARB	0.1W	5%	4K7Ω	
R2114	ERJ6GMYJ331	S.M. CARB	0.1W	5%	330Ω	
R2115	ERJ6GMYJ392	S.M. CARB	0.1W	5%	3K9Ω	
R2116	ERJ6GMYJ680	S.M. CARB	0.1W	5%	68Ω	
R2120	ERD25FYJ201	CARBON	0.25W	5%	200Ω	⚠
R2126	ERJ6GMYJ182	S.M. CARB	0.1W	5%	1K8Ω	
R2133	ERJ6GMYJ271	S.M. CARB	0.1W	5%	270Ω	
R2138	ERJ6GEYK275	S.M. CARB	0.5W	10%	2M7Ω	
R2148	ERJ6GMY0R00	S.M. LINK				
R2149	ERJ6GMYJ121	S.M. CARB	0.1W	5%	120Ω	

Ref No.	Part No.	Description				
R2151	ERJ6GMYJ121	S.M. CARB	0.1W	5%	120Ω	
R2219	ERJ6GMYJ471	S.M. CARB	0.1W	5%	470Ω	
R2220	ERJ6GMYJ471	S.M. CARB	0.1W	5%	470Ω	
R2246	ERJ6GMYJ562	S.M. CARB	0.1W	5%	5K6Ω	
R2247	ERJ6GMYJ272	S.M. CARB	0.1W	5%	2K7Ω	
R2248	ERJ6GMYJ102	S.M. CARB	0.1W	5%	1KΩ	
R2249	ERJ6GMYJ102	S.M. CARB	0.1W	5%	1KΩ	
R2250	ERJ6GMYJ104	S.M. CARB	0.1W	5%	100KΩ	
R2251	ERJ6GMYJ104	S.M. CARB	0.1W	5%	100KΩ	
R2351	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R2352	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R2353	ERD25TJ181	CARBON	0.25W	5%	180Ω	
R2354	ERD25TJ181	CARBON	0.25W	5%	180Ω	
R2355	ERD25TJ302	CARBON	0.25W	5%	3KΩ	
R2356	ERD25TJ302	CARBON	0.25W	5%	3KΩ	
R2357	ERD25TJ104	CARBON	0.25W	5%	100KΩ	
R2358	ERD25TJ104	CARBON	0.25W	5%	100KΩ	
R2359	ERQ14AJ4R7	METAL	0.25W	5%	4R7Ω	⚠
R2360	ERQ14AJ4R7	METAL	0.25W	5%	4R7Ω	⚠
R2361	ERD25TJ224	CARBON	0.25W	5%	220KΩ	
R2362	ERD25TJ114	CARBON	0.25W	5%	110KΩ	
R2363	ERQ14AJ331	METAL	0.25W	5%	330Ω	⚠
R2364	ERD25TJ821	CARBON	0.25W	5%	820Ω	
R2365	ERD25TJ821	CARBON	0.25W	5%	820Ω	
R2366	ERF10ZK2R2	WOUND	10W	5%	2R2Ω	⚠
R2367	ERD25TJ392	CARBON	0.25W	5%	3K9Ω	
R2369	ERD25TJ392	CARBON	0.25W	5%	3K9Ω	
R2371	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R2372	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R2401	ERQ14AJ470	METAL	0.25W	5%	47Ω	⚠
R2402	ERQ14AJ560	METAL	0.25W	5%	56Ω	⚠
R2418	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R2419	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R2420	ERD25TJ563	CARBON	0.25W	5%	56KΩ	
R2421	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R2422	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R2423	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R2451	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R2452	ERD25TJ153	CARBON	0.25W	5%	15KΩ	
R2453	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R2454	ERD25TJ682	CARBON	0.25W	5%	6K8Ω	
R2455	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R2456	ERD25TJ223	CARBON	0.25W	5%	22KΩ	
R2457	ERD25TJ223	CARBON	0.25W	5%	22KΩ	
R2458	ERD25TJ123	CARBON	0.25W	5%	12KΩ	
R2459	ERD25TJ153	CARBON	0.25W	5%	15KΩ	
R2460	ERD25TJ104	CARBON	0.25W	5%	100KΩ	
R2461	ERD25TJ223	CARBON	0.25W	5%	22KΩ	
R2462	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R2463	ERD25TJ183	CARBON	0.25W	5%	18KΩ	
R2464	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R2465	ERD25TJ123	CARBON	0.25W	5%	12KΩ	
R2466	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R2467	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R2468	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R2469	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R2470	ERD25TJ223	CARBON	0.25W	5%	22KΩ	
R2471	ERD25TJ223	CARBON	0.25W	5%	22KΩ	
R2472	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R2473	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R2474	ERD25TJ272	CARBON	0.25W	5%	2K7Ω	
R2475	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R2479	ERD25TJ563	CARBON	0.25W	5%	56KΩ	
R2551	ERD25TJ562	CARBON	0.25W	5%	5K6Ω	
R2552	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R2553	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R2554	ERD25TJ153	CARBON	0.25W	5%	15KΩ	
R2555	ERD25TJ153	CARBON	0.25W	5%	15KΩ	
R2556	ERD25TJ153	CARBON	0.25W	5%	15KΩ	
R2557	ERD25TJ153	CARBON	0.25W	5%	15KΩ	
R2558	ERD25TJ562	CARBON	0.25W	5%	5K6Ω	
R2559	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R2560	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R2561	ERD25TJ153	CARBON	0.25W	5%	15KΩ	
R2562	ERD25TJ153	CARBON	0.25W	5%	15KΩ	
R2563	ERD25TJ153	CARBON	0.25W	5%	15KΩ	
R2564	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R2565	ERD25TJ153	CARBON	0.25W	5%	15KΩ	
R2566	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R2567	ERD25TJ102	CARBON	0.25W	5%	1KΩ	

Ref No.	Part No.	Description				
R2651	ERG1ANJ221	METAL	1W	5%	220Ω	
R2652	ERG1ANJ221	METAL	1W	5%	220Ω	
R3001	ERD25TJ222	CARBON	0.25W	5%	2K2Ω	
R3003	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R3006	ERD25TJ750	CARBON	0.25W	5%	75Ω	
R3008	ERD25TJ272	CARBON	0.25W	5%	2K7Ω	
R3009	ERD25TJ272	CARBON	0.25W	5%	2K7Ω	
R3011	ERD25TJ750	CARBON	0.25W	5%	75Ω	
R3013	ERD25TJ471	CARBON	0.25W	5%	470Ω	
R3015	ERD25TJ471	CARBON	0.25W	5%	470Ω	
R3016	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R3017	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R3018	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R3019	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R3020	ERD25TJ750	CARBON	0.25W	5%	75Ω	
R3021	ERQ14AJW100	METAL	0.25W	5%	10Ω	⚠
R3022	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R3028	ERD25TJ473	CARBON	0.25W	5%	47KΩ	
R3029	ERD25TJ473	CARBON	0.25W	5%	47KΩ	
R3030	ERD25TJ680	CARBON	0.25W	5%	68Ω	
R3031	ERDS1FYJ101	CARBON	0.5W	5%	100Ω	⚠
R3032	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R3033	ERD25TJ333	CARBON	0.25W	5%	33KΩ	
R3034	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R3035	ERD25TJ561	CARBON	0.25W	5%	560Ω	
R3036	ERD25TJ561	CARBON	0.25W	5%	560Ω	
R3037	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R3038	ERD25TJ333	CARBON	0.25W	5%	33KΩ	
R3039	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R3040	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R3041	ERD25TJ221	CARBON	0.25W	5%	220Ω	
R3042	ERD25TJ682	CARBON	0.25W	5%	6K8Ω	
R3043	ERD25TJ682	CARBON	0.25W	5%	6K8Ω	
R3044	ERD25TJ222	CARBON	0.25W	5%	2K2Ω	
R3045	ERD25TJ222	CARBON	0.25W	5%	2K2Ω	
R3046	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R3047	ERD25TJ183	CARBON	0.25W	5%	18KΩ	
R3048	ERD25TJ681	CARBON	0.25W	5%	680Ω	
R3049	ERD25TJ562	CARBON	0.25W	5%	5K6Ω	
R3050	ERD25TJ562	CARBON	0.25W	5%	5K6Ω	
R3051	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R3052	ERD25TJ473	CARBON	0.25W	5%	47KΩ	
R3053	ERD25TJ473	CARBON	0.25W	5%	47KΩ	
R3054	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R3055	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R3057	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R3059	ERD25TJ473	CARBON	0.25W	5%	47KΩ	
R3060	ERD25TJ473	CARBON	0.25W	5%	47KΩ	
R3061	ERD25TJ750	CARBON	0.25W	5%	75Ω	
R3062	ERD25TJ221	CARBON	0.25W	5%	220Ω	
R3063	ERD25TJ221	CARBON	0.25W	5%	220Ω	
R3064	ERD25TJ221	CARBON	0.25W	5%	220Ω	
R3065	ERD25TJ221	CARBON	0.25W	5%	220Ω	
R3066	ERD25TJ221	CARBON	0.25W	5%	220Ω	
R3067	ERD25TJ473	CARBON	0.25W	5%	47KΩ	
R3068	ERD25TJ221	CARBON	0.25W	5%	220Ω	
R3069	ERD25TJ473	CARBON	0.25W	5%	47KΩ	
R3070	ERD25TJ750	CARBON	0.25W	5%	75Ω	
R3071	ERD25TJ750	CARBON	0.25W	5%	75Ω	
R3072	ERD25TJ221	CARBON	0.25W	5%	220Ω	
R3073	ERD25TJ473	CARBON	0.25W	5%	47KΩ	
R3074	ERD25TJ473	CARBON	0.25W	5%	47KΩ	
R3075	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R3076	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R3077	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R3078	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R3090	ERD25TJ122	CARBON	0.25W	5%	1K2Ω	
R3091	ERD25TJ221	CARBON	0.25W	5%	220Ω	
R3092	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R3093	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R3094	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R3096	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R3097	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R3099	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R3101	ERD25TJ104	CARBON	0.25W	5%	100KΩ	
R3102	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R3107	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R3108	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R3109	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R3111	ERD25TJ220	CARBON	0.25W	5%	22Ω	

Ref No.	Part No.	Description				
R3113	ERD25TJ221	CARBON	0.25W	5%	220Ω	
R3167	ERD25TJ682	CARBON	0.25W	5%	6K8Ω	
R3169	ERD25TJ822	CARBON	0.25W	5%	8K2Ω	
R3171	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R3172	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R3174	ERD25TJ333	CARBON	0.25W	5%	33KΩ	
R3175	ERD25TJ333	CARBON	0.25W	5%	33KΩ	
R3176	ERD25TJ561	CARBON	0.25W	5%	560Ω	
R3177	ERD25TJ561	CARBON	0.25W	5%	560Ω	
R3178	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R3179	ERD25TJ392	CARBON	0.25W	5%	3K9Ω	
R3180	ERD25TJ221	CARBON	0.25W	5%	220Ω	
R3181	ERD25TJ152	CARBON	0.25W	5%	1K5Ω	
R3182	ERD25TJ750	CARBON	0.25W	5%	75Ω	
R3183	ERD25TJ750	CARBON	0.25W	5%	75Ω	
R3184	ERD25TJ750	CARBON	0.25W	5%	75Ω	
R3185	ERD25TJ750	CARBON	0.25W	5%	75Ω	
R3186	ERD25TJ473	CARBON	0.25W	5%	47KΩ	
R3187	ERD25TJ473	CARBON	0.25W	5%	47KΩ	
R3189	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R3190	ERD25TJ680	CARBON	0.25W	5%	68Ω	
R3191	ERDS1FJ101	CARBON	0.5W	5%	100Ω	⚠
R3192	ERD25TJ391	CARBON	0.25W	5%	390Ω	
R3194	ERD25TJ750	CARBON	0.25W	5%	75Ω	
R3195	ERD25TJ682	CARBON	0.25W	5%	6K8Ω	
R3196	ERD25TJ221	CARBON	0.25W	5%	220Ω	
R3197	ERD25TJ272	CARBON	0.25W	5%	2K7Ω	
R3198	ERD25TJ272	CARBON	0.25W	5%	2K7Ω	
R3301	ERD25TJ122	CARBON	0.25W	5%	1K2Ω	
R3302	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R3303	ERD25TJ181	CARBON	0.25W	5%	180Ω	
R3304	ERD25TJ181	CARBON	0.25W	5%	180Ω	
R3305	ERD25TJ181	CARBON	0.25W	5%	180Ω	
R3306	ERD25TJ471	CARBON	0.25W	5%	470Ω	
R3309	ERD25TJ392	CARBON	0.25W	5%	3K9Ω	
R3312	ERD25TJ332	CARBON	0.25W	5%	3K3Ω	
R3313	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R3314	ERD25TJ181	CARBON	0.25W	5%	180Ω	
R3315	ERD25TJ181	CARBON	0.25W	5%	180Ω	
R3316	ERD25TJ181	CARBON	0.25W	5%	180Ω	
R3318	ERD25TJ391	CARBON	0.25W	5%	390Ω	
R3319	ERD25TJ471	CARBON	0.25W	5%	470Ω	
R3321	ERD25TJ681	CARBON	0.25W	5%	680Ω	
R3322	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R3331	ERD25TJ822	CARBON	0.25W	5%	8K2Ω	
R3332	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R3501	ERD25TJ221	CARBON	0.25W	5%	220Ω	
R3503	ERD25TJ471	CARBON	0.25W	5%	470Ω	
R3504	ERD25TJ822	CARBON	0.25W	5%	8K2Ω	
R3505	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R3506	ERD25TJ331	CARBON	0.25W	5%	330Ω	
R3507	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R3508	ERD25TJ331	CARBON	0.25W	5%	330Ω	
R3509	ERD25TJ331	CARBON	0.25W	5%	330Ω	
R3510	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R3511	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R3512	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R3513	ERD25TJ472	CARBON	0.25W	5%	4K7Ω	
R3514	EVND4AA00B24	TEXT CONTRAST			20KΩ	
R3515	ERD25TJ392	CARBON	0.25W	5%	3K9Ω	
R3516	ERD25TJ153	CARBON	0.25W	5%	15KΩ	
R3517	ERD25TJ220	CARBON	0.25W	5%	22Ω	
R3519	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R3520	ERD25TJ821	CARBON	0.25W	5%	820Ω	
R3522	ERD25TJ332	CARBON	0.25W	5%	3K3Ω	
R3523	ERD25TJ471	CARBON	0.25W	5%	470Ω	
R3524	ERD25TJ683	CARBON	0.25W	5%	68KΩ	
R3525	ERD25TJ331	CARBON	0.25W	5%	330Ω	
R3532	ERD25TJ823	CARBON	0.25W	5%	82KΩ	
R3533	ERD25TJ471	CARBON	0.25W	5%	470Ω	
R3534	ERD25TJ750	CARBON	0.25W	5%	75Ω	
R3535	ERD25TJ750	CARBON	0.25W	5%	75Ω	
R3536	ERD25TJ750	CARBON	0.25W	5%	75Ω	
R3539	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R3540	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R3541	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R3542	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R3545	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R3546	ERD25TJ101	CARBON	0.25W	5%	100Ω	
R3547	ERD25TJ103	CARBON	0.25W	5%	10KΩ	

Ref No.	Part No.	Description			
R3548	ERD25TJ103	CARBON	0.25W	5%	10KΩ
R3549	ERD25TJ823	CARBON	0.25W	5%	82KΩ
R3552	ERD25TJ101	CARBON	0.25W	5%	100Ω
R3555	ERD25TJ101	CARBON	0.25W	5%	100Ω
R3558	ERD25TJ471	CARBON	0.25W	5%	470Ω
R3563	ERD25TJ753	CARBON	0.25W	5%	75KΩ
R3567	ERD25TJ472	CARBON	0.25W	5%	4K7Ω
R3568	ERD25TJ822	CARBON	0.25W	5%	8K2Ω
R3569	ERD25TJ102	CARBON	0.25W	5%	1KΩ
R3571	ERD25TJ101	CARBON	0.25W	5%	100Ω
R3572	ERD25TJ101	CARBON	0.25W	5%	100Ω
R3575	ERD25TJ122	CARBON	0.25W	5%	1K2Ω
R3576	ERD25TJ122	CARBON	0.25W	5%	1K2Ω
R3577	ERD25TJ122	CARBON	0.25W	5%	1K2Ω
R3580	ERD25TJ101	CARBON	0.25W	5%	100Ω
R3582	ERD25TJ103	CARBON	0.25W	5%	10KΩ
R3584	ERD25TJ473	CARBON	0.25W	5%	47KΩ
R3585	ERD25TJ473	CARBON	0.25W	5%	47KΩ
R3586	ERD25TJ472	CARBON	0.25W	5%	4K7Ω
R.16	ERJ6GMY0R00	S.M.LINK			

SWITCHES

S301	EVQR1AL13	SWITCH	
S811	ESB99267S	SWITCH	⚠
S2551	ESD1512250	SWITCH	
S2601	ESD7034	SWITCH	

TRANSFORMERS

T531	ETH19Y53AY	TRANSFORMER	
T551	TLF15568F	FLYBACK TRANSFORMER	⚠
T825	ETS49K596A	TRANSFORMER	⚠
T1291	ETP35KE65E	TRANSFORMER	⚠
T2001	TLS158X54Q	COIL	

Ref No.	Part No.	Description

FILTERS

X101	F1045A	FILTER
X103	EFCS6R0MW5	FILTER
X106	TAFCSB503F6	FILTER
X601	TSS2003-M	CRYSTAL
X602	TSS2026-M	CRYSTAL
X1210	EFOGC6004A4	FILTER
X2001	TSS2059-M	CRYSTAL
X2002	TSS2130-N	CRYSTAL
X2101	EFCH33MVK1N	FILTER
X2102	EFCS6R0MS5	FILTER
X3501	TSS2004-M	CRYSTAL
X3503	TSS2001-N1	CRYSTAL
X3504	TFOA6R0M02A2	CRYSTAL

NOTES

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